

# Laboratory **CEU** Catalog

**WELCOME** | our courses are accepted by all states and lab certification agencies



**4CEUINC.com**  
A Continuing Education Unlimited Company

ASCP • AMT • State Requirements

Serving the Lab Community Since 1997



**NOTE** | Catalogs do not reflect Sales or Group Discounts

Last Revision: September 16, 2021

# ABOUT US

**Serving the Lab Community Since 1997**

## Our History

Established and operated by Laboratory Professionals, Continuing Education Unlimited, Inc, our parent company, was established in 1997 to provide continuing education for Medical Laboratory professionals.

## Our Brands

We have several brands under our corporate name, including:

- 4CEUINC.com
- FloridaMandatory.com (Future Site)
- Jobs4Lab.com
- Jobs4Nursing.com

## Our Course Offerings

Although most of our courses are online, we do offer a mix of flexible solutions that allow our customers to choose the format that best serves their needs, including: Textbooks, Online Courses, and Printed Combo Courses. These options come with a variety of ordering choices to accommodate both your personal budget and your professional requirements.

To present a variety of topics, learning levels, and subject matter to the learner, we offer a mix of both custom written courses and scientific articles. All courses are written and reviewed by medical professionals and each course is rereviewed every two years and updated as needed.

A large number of new titles is added every two years in the Spring of odd numbered years.

## Who We Serve

4CEUINC.com serves a wide range of Laboratory Professionals at all levels of their career from students to Laboratory Directors.

We serve both individual customers and laboratory groups, which range in size from small 5 person groups to large laboratory networks and their subsidiaries. [How can we serve you or your lab?](#)

## [At A Glance]

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### Provider Numbers

|                     |         |
|---------------------|---------|
| Florida CE Broker # | 20-2256 |
| California AA#      | 0001    |
| ASCLS P.A.C.E.      | 511     |

### Florida Licensees



We report to CE Broker immediately, provided that your license # is in your profile at the time of course completion.

### Contact Us

Continuing Education Unlimited  
6231 PGA Blvd, Ste 104 #306  
Palm Beach Gardens, FL  
33418

**Toll Free:** 888-423-8462

**Phone:** 561-775-4944

**Fax:** 561-775-4933

**Website:** [www.4CEUINC.com](http://www.4CEUINC.com)

### Our Customers

✓ **Individual Purchasers**

✓ **Group Purchasers**

Groups consist of 5 or more people and receive discounted pricing. \*See Group Section for more detail.

# · Catalog Contents

CLICK THE SECTION BELOW THAT YOU WOULD LIKE TO VIEW

**1 – GENERAL DETAILS:** Provider #s, Format Types, Changes, Certificates, Shipping, Refunds, FAQs

**2 - FORMS:** Order Form, Instructor Registration, Course Reviewer Registration

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**4 - LABORATORY SUBSCRIPTION**

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- Florida First Renewal Package
- Florida Mandatory Renewal package

**7 - LABORATORY COMBOS** (non-Florida licensees)

- Laboratory Combo-19
- Histology Combo-19

**8 - PHLEBOTOMY COMBOS**

- 6 Hour Phlebotomy Combo
- 9 Hour Phlebotomy Combo
- 14 Hour Phlebotomy Combo

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- Lab Management: Principles & Processes

**10 - SUPERVISOR UPGRADE COURSES**

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- Florida Histology Supervisor Upgrade
- Tennessee Supervisor Upgrade

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- SECTION 1 -

## 4CEUINC General Details

In this section you will learn about:

- Our Provider Numbers
- Understanding our Course Format types
- Changes to Answer Sheet Formats
- Certificates of Completion
- Understanding our Shipping Options
- Understanding Refunds & Exchanges
- Most commonly asked FAQs



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# ADVERTISE YOUR JOB OPENINGS

**Jobs4Lab.com**

A Continuing Education Unlimited Company

**FIND A JOB / POST A JOB**

**20% Off Posting Use Code: CATALOG**

## **JOB SEEKERS:**

- View current job openings
- Upload your resume for employers to see
- Create a Job Alert

## **EMPLOYERS:**

- Get your jobs in front of the right people
- Advertise to a niche market
- Search posted resumes

# GENERAL DETAILS

## Information at a Glance

### Our Provider Numbers

**PROVIDER #s:** Florida: 50-2256 | ASCLS P.A.C.E.: 511 | **ACCREDITING AGENCY (AA) #:** California: 0001

### Course Format Options

|                        | COURSE MATERIAL |        | QUIZ             |        | S&H | NOTES                                   |
|------------------------|-----------------|--------|------------------|--------|-----|---|
|                        | PRINTED         | ONLINE | PAPER            | ONLINE |     |   |
| Book Only (B)          | ✓               |        | Order Separately |        | ✓   | Printed material, shipped by USPS       |
| Answer Sheet Only (AS) |                 |        | ✓                | ✓      |     | You already have the reading material.  |
| Online Complete (O) *  |                 | ✓      |                  | ✓      |     | Course material is in a color PDF file. |
| Online Quiz Only (OQ)  |                 |        |                  | ✓      |     | You already have the reading material.  |

\***EXCEPTION:** For Online Complete formats with textbooks, the textbook gets mailed via USPS.

### Answer Sheet Format Option

**We've made changes!**

Answer Sheets can now be printed by YOU immediately after purchase – **no waiting!**

Detailed Information Here: <https://4ceuinc.com/answersheets.pdf>

### Certificate of Completion

All certificates are printed by YOU directly from your Course History, even for Answer Sheet formats. [Don't know your login, contact our office for assistance.](#)

Detailed Information Here:

### Shipping Options

Most shipped orders are processed within 3 business days | Shipping is weight based. All items are shipped by the United States Post Office (USPS).

**NOTE:** Only Textbooks and some Combo courses are eligible for mailing.

|                      |  |
|----------------------|--|
| <b>Media Rate</b>    | Slightly slower than first class mail. Allow <u>up to</u> 14 days for delivery.              |
| <b>Priority Mail</b> | Typically delivered in 3 - 6 business days after shipment.                                   |
| <b>Express Mail</b>  | 1 - 2 days to <u>most</u> areas. Shipped same day if order is placed <b>before</b> noon EST. |

### Refunds | Course Exchanges

- Courses may be returned or exchanged **for up to 30 days** from the date of purchase, provided that you have NOT completed any of the contact hours.
- Shipped items may be returned in the **same new condition** for refund, minus original shipping cost, **for up to 30 days** from the date of purchase.

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WWW.4CEUINC.COM

# Frequently Asked Questions

## Most Commonly Asked FAQs

[Visit Us]



WWW.4CEUINC.COM

### General

**Q. Who accepts your CE courses?**

**A.** Our courses are accepted by **ALL** certification agencies and state licensures.

**Q. What is considered a passing score?**

**A.** A passing score is 70% and above.

**Q. What are your most popular courses?**

**A.** Our Laboratory Subscription and our Combo Courses are our most popular.

**Q. Can a course be shared with multiple users?**

**A.** Only our Combo Courses, Supervisor Upgrades, and Textbooks have share options. Lab Subscriptions and Individual Courses do not.

**Q. When will my courses be available after purchase?**

**A.** Online Complete, Online Quiz Only, and Answer Sheet formats are available **immediately** after purchase, while Printed Books and Textbooks must be mailed.

### Online Courses

**Q. What credit cards do you accept?**

**A.** We accept Visa, Mastercard, American Express, and Discover.

**Q. Can I print out or save my online course material?**

**A.** **YES**, you're entitled to print out 1 copy of the reading material.

**Q. Can I print out a copy of the quiz questions to work offline?**

**A.** **YES**, we encourage you to print out a copy of the quiz to work offline at your leisure, then return to the live quiz to enter your answers when you're ready.

### Florida Licensees

**Q. Do you report to CE Broker?**

**A.** **YES**. We report completed courses to CE Broker **immediately**, provided that your license # is in your profile at the time of course completion.

### Group Ordering

**Q. Do you offer Group Discounts?**

**A.** **YES**. We require at least 5 participants and a person to act as the Coordinator.

**Q. Is 4CEUINC willing to price match online continuing education?**

**A.** **Absolutely**. With the exception of free, we can meet or beat your current price.

**Q. Who pays for discounted continuing education – employees or the facility?**

**A.** You choose who pays. Cost varies by which payment option you choose & the number of participants. [See the Group Discount section for more details.](#)



## 4CEUINC Forms

In this section you can access the following forms:

- Printable Order Form
- Instructor Registration Form
- Course Reviewer Registration Form
- Laboratory CEU Worksheets



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# Continuing Education Unlimited

6231 PGA Blvd, Suite 104 / #306 / Palm Beach Gardens, FL 33418  
Phone: 888-423-8462 / Fax: 561-775-4933 / Web: www.4CEUINC.com / Email: Lab@4ceuinc.com

## ORDER FORM

**FAX FORM TO:** 561-775-4933 or **MAIL FORM** to address above (mailing a form will extend processing by approx. 7-14 days)

| SHIPPING & HANDLING (Based on US Postal Service rates)  |                                 |            |               |              | TRANSIT TIME                              |           |
|---|---------------------------------|------------|---------------|--------------|---|-----------|
| Mailed Item   | Pounds                          | Media Rate | Priority Mail | Express Mail | Allow 3 business days for Mail Processing |           |
| - Supervisor Upgrades -<br>-----<br>Lab Management Text | 2 ½<br>shipped in<br>'envelope' | \$7.45     | \$11.50       | \$48.00      | MEDIA MAIL                                | 1-2 weeks |
| Combo Courses<br>- Printed Book -                       | 3 ½<br>shipped in<br>box        | \$7.45     | \$14.50       | \$53.00      | PRIORITY MAIL                             | 3-6 days  |
|   |                                 |            |               |              | EXPRESS MAIL                              | 1-2 days  |

**NOTE:** Contact Us for shipping and handling costs for destinations outside the Continental U.S. ---

**NOTE:** Although one check or credit card can be given for multiple orders, **EACH** person must fill out a sheet with their own information

1.) PLEASE INDICATE YOUR SITE # AND FACILITY NAME BELOW (IF APPLICABLE):

|          |  |           |  |
|----------|--|-----------|--|
| SITE # : |  | FACILITY: |  |
|----------|--|-----------|--|

2.) PLEASE SUBMIT THE FOLLOWING INFORMATION - PLEASE PRINT CLEARLY:

**MAILING ADDRESS:** WHEN USING A BUSINESS ADDRESS BELOW, YOU MUST INDICATE THE BUSINESS NAME ON ADDRESS - LINE 1

|                   |  |  |  |             |           |  |  |
|-------------------|--|--|--|-------------|-----------|--|--|
| YOUR FULL NAME:   |  |  |  |             |           |  |  |
| ADDRESS - LINE 1: |  |  |  |             |           |  |  |
| ADDRESS - LINE 2: |  |  |  |             |           |  |  |
| CITY:             |  |  |  | STATE:      | ZIP CODE: |  |  |
| HOME PHONE:       |  |  |  | WORK PHONE: | Ext.      |  |  |

**Professional License Numbers:**





|                           |                          |
|---------------------------|--------------------------|
| 1 <sup>st</sup> License # | Issuing State or Agency: |
| 2 <sup>nd</sup> License # | Issuing State or Agency: |
| 3 <sup>rd</sup> License # | Issuing State or Agency: |

3.) LOGIN INFORMATION (GIVES YOU LOGIN ACCESS TO YOUR PERSONAL CEU RECORDS AT OUR WEBSITE):

**- PLEASE NOTE:** EVEN IF YOU ARE NOT DOING ONLINE COURSES YOU CAN ACCESS YOUR CEU INFORMATION ONLINE! ONLINE COURSE TAKERS ARE REQUIRED TO PROVIDE THIS INFORMATION.

|                |                           |
|----------------|---------------------------|
| EMAIL ADDRESS: | (WE RESPECT YOUR PRIVACY) |
| PASSWORD:      |                           |

4.) PAYMENT METHOD - (CHOOSE ONE BELOW):

|                        |   |   |
|------------------------|---|---|
| OTHER _____            | CHECK _____ (Enter check # here: _____) | CREDIT CARD _____   |
| CREDIT CARD #:         |   |   |
| CC's BILLING ZIP CODE: | CARD'S EXP DATE: _____ - _____          |   |
| NAME ON CREDIT CARD:   |   |   |
| AUTHORIZED SIGNATURE:  |   |   |

5.) ORDER INFORMATION - (CHOOSE ONE BELOW):

| Course Code:         | Course Name: | Weight: | Price |
|----------------------|--------------|---------|-------|
|                      |              |         |       |
| S&H (if applicable): |              |         |       |
| Total:               |              |         |       |

**- ADD SECOND SHEET IF NECESSARY -**

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## I'D LIKE TO BECOME AN INSTRUCTOR

- See next page for additional information -

**RETURN BY:** Fax: 561-775-4933 **OR** EMAIL: Lab@4ceuinc.com (Use Subject Line: INSTRUCTOR)

### Contact Information

[information provided remains confidential]

|                     |  |             |      |
|---------------------|--|-------------|------|
| Name / Credentials: |  |             |      |
| Mailing Address:    |  |             |      |
| Address:            |  |             |      |
| City:               |  | State:      | Zip: |
| Phone # 1 :         |  | Phone # 2 : |      |
| Email:              |  |             |      |

### Instructor Honorarium

**\*Choose One Option** (special \$ requests are not always guaranteed)

- I decline the honorarium   
  I'd like the standard honorarium paid based on contact hours.   
  I have a sponsor  
 I'd like a set dollar amount - please specify \$\_\_\_\_\_   
  I'd like to author in exchange for a CEU credit for my lab group

### What teaching formats are you comfortable providing?

**\*Check all that apply**

- Written (PDF) Presentation                       Pre-Recorded Video Presentation  
 Power Point Presentation                       Webinar Presentation  
 Power Point Presentation - with Audio     Other - Specify Below

### What Subject Areas would you like to author/instruct?

**\*Check all that apply**

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Blood Banking    | <input type="checkbox"/> Immunohistochemistry | <input type="checkbox"/> Phlebotomy             |
| <input type="checkbox"/> Chemistry        | <input type="checkbox"/> Lab Management       | <input type="checkbox"/> Point of Care          |
| <input type="checkbox"/> Cytogenetics     | <input type="checkbox"/> Lab QA / QC          | <input type="checkbox"/> Safety                 |
| <input type="checkbox"/> Cytology         | <input type="checkbox"/> Microbiology         | <input type="checkbox"/> Serology               |
| <input type="checkbox"/> Hematology       | <input type="checkbox"/> Molecular            | <input type="checkbox"/> *State Required        |
| <input type="checkbox"/> Histology        | <input type="checkbox"/> Mycology             | <input type="checkbox"/> Virology               |
| <input type="checkbox"/> Immunohematology | <input type="checkbox"/> Parasitology         | <input type="checkbox"/> *Other - Specify below |

### CV or Professional Work History

- Please attach your CV or professional work history, along with any examples, or other related information.

# Becoming An Instructor

## Answers to Most Commonly Requested Information

[Visit Us]

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### General

4CEUINC is always looking for laboratory experts to join our team. If you like to write or create webinars, we're looking for you!

#### To qualify you should be:

- An expert in your field
- Aware of current trends & information on the topic you choose to write about
- Able to present the learning module in a well-organized, easy to follow fashion
- Able to meet assigned deadlines for course completion

**Professional Benefits:** We offer a small honorarium to our authors, as well as, recognition inside the course material that you've developed and on the author bios page of our website. You also receive **access to free** CEUs through our company.

### Honorarium Options

Flexible Options Available to Fit Your Needs

- **Declining the Honorarium:** When an honorarium is declined it goes back into the author budget set aside for that yr. allowing for additional course development.
- **Accept Standard Honorarium:** Average \$600 for 1 CEU, \$700 for 2 CEUs, etc.
- **Set Dollar Amount:** If you have a set honorarium amount that you typically request, please let us know what that is - per course or per hour. We review all requests and try to fulfill them. **Note:** because we have a set budget each year, we cannot always guarantee that all requests will be met.
- **I have a Sponsor:** Many authors work at or have a relationship with companies who would like to sponsor them as an author. In exchange, that company is recognized inside the course allowing for a ½ page ad or informational blurb.
- **Courses in Exchange for Group CEUs:** **NEW** - No CE budget for your lab, but you or your co-workers like to teach? Why not consider creating a course in exchange for a CEU credit for your group? On average that would equal free CEUs for ~15-25 people. We're flexible with this option, so please reach out to us for more info.

### Teaching Formats

Let us know what format(s) you are most comfortable teaching. Once determined, we will forward you a PowerPoint, Word template, or other format to work from.

### Your CV or Work History

Don't forget to attach your CV or work history when sending us the form. It's required

WWW.4CEUINC.COM



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Phone: 888-423-8462 / Fax: 561-775-4933 / Web: www.4CEUINC.com / Email: Lab@4ceuinc.com

## I'D LIKE TO BECOME A COURSE REVIEWER

- See next page for additional information -

**RETURN BY:** Fax: 561-775-4933 **OR** EMAIL: Lab@4ceuinc.com (Use Subject Line: INSTRUCTOR)

### Contact Information [information provided remains confidential]

|                     |  |             |      |
|---------------------|--|-------------|------|
| Name / Credentials: |  |             |      |
| Mailing Address:    |  |             |      |
| Address:            |  |             |      |
| City:               |  | State:      | Zip: |
| Phone # 1 :         |  | Phone # 2 : |      |
| Email:              |  |             |      |

### What type of review are you comfortable performing? \*Check all that apply

- Review new & existing courses for accuracy
- Review existing course content & make content updates if needed
- Review for grammatical errors, typos, course layout issues, and record how long it took to complete the course

### What teaching formats are you comfortable reviewing? \*Check all that apply

- Written (PDF) Presentation
- Pre-Recorded Video Presentation
- Power Point Presentation
- Webinar Presentation
- Power Point Presentation - with Audio
- Other - Specify Below

### What Subject Areas would you like to review and/or update? \*Check all that apply

- Blood Banking
- Immunohistochemistry
- Phlebotomy
- Chemistry
- Lab Management
- Point of Care
- Cytogenetics
- Lab QA / QC
- Safety
- Cytology
- Microbiology
- Serology
- Hematology
- Molecular
- \*State Required
- Histology
- Mycology
- Virology
- Immunohematology
- Parasitology
- \*Other - Specify below

### CV or Professional Work History

Please attach your CV or professional work history, along with any examples, or other related information.

# Becoming A Course Reviewer

## Answers to Most Commonly Requested Information

[Visit Us]

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### General

4CEUINC is always looking for laboratory experts to join our team. If you like to read about lab subjects and are good at catching typos and other errors, we're looking for you!

### Course Elements That Get Reviewed

- Courses are reviewed for content accuracy
- Grammatical errors and typos
- Layout issues across electronic devices
- Time to complete the course & quiz are recorded to determine contact hours

### Qualifications

Flexible Reviewer Options Available to Fit Your Expertise

#### To qualify you should be:

- Able to meet assigned deadlines
- Able to effectively communicate in a well-organized, easy to follow fashion
- An expert in the field you're reviewing ([Content Reviewers & Course Updaters](#))  
Awareness of current trends & information on the topic you choose to review
- Excellent at catching grammatical errors and misspelled words
- Able to keep accurate time tracking when reviewing course material

In exchange for your time, you receive free access to all of our online CE products, as well as, any accompanying contact hours toward your own continuing education. Reviewers also get national recognition when they're listed inside the course material reviewed, as well as, on the team bios page of our website. We do offer an honorarium to reviewers that are also updating current course material or reviewing longer courses - payment amounts will vary according to time spent.

### Course Access Requirements

In order to become a Course Reviewer, you must:

- Be comfortable accessing and reading course material online
- Have reliable access to the internet
- Have access to a home computer - occasionally firewalls will prevent you from accessing 'active content' on work devices.

### Your CV or Work History

Don't forget to attach your CV or work history when sending us the form. It's required by those who license us that we keep the professional credentials and work history of our authors & reviewers.

If you'd like, please feel free to attach any additional work or credentials associated with clinical lab science.

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## LABORATORY LICENSEE - CONTINUING EDUCATION WORKSHEET

START DATE: \_\_\_\_\_ END DATE: \_\_\_\_\_

| I'M LICENSED IN:    | LICENSE CATEGORY                       | MINIMUM REQUIRED HRS. | HOURS COMPLETED: |
|---------------------|--|-----------------------|------------------|
|                     | Andrology / Embryology                 |                       |                  |
|                     | Blood Banking                          |                       |                  |
|                     | Blood Gas Analysis                     |                       |                  |
|                     | Chemistry / UA / Toxicology            |                       |                  |
|                     | Cytogenetics                           |                       |                  |
|                     | Cytology                               |                       |                  |
|                     | Embryology                             |                       |                  |
|                     | General                                |                       |                  |
|                     | Hematology                             |                       |                  |
|                     | Histocompatibility                     |                       |                  |
|                     | Histology                              |                       |                  |
|                     | HIV Update                             |                       |                  |
|                     | Immunohematology                       |                       |                  |
|                     | Immunohistopathology                   |                       |                  |
|                     | Laboratory Laws & Rules                |                       |                  |
|                     | Management/Supervision                 |                       |                  |
|                     | Medical Errors                         |                       |                  |
|                     | Microbiology / Mycology / Parasitology |                       |                  |
|                     | Molecular Pathology                    |                       |                  |
|                     | Phlebotomy                             |                       |                  |
|                     | Radioassay                             |                       |                  |
|                     | Safety / OSHA Blood Borne Pathogens    |                       |                  |
|                     | Serology / Immunology                  |                       |                  |
|                     |  |                       |                  |
|                     |  |                       |                  |
| <b>TOTAL HOURS:</b> |  |                       |                  |

This worksheet is for Lab licensees to use as a guide when completing CEU courses.

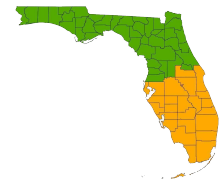
- Place an "X" in the first column if you hold a license in that category.
- In column three, enter the minimum number of hours you must get to fulfill that category. Use column four to keep track of the hours that you have completed.
- Use the blank rows at the bottom of the table for categories that are not listed.



# Continuing Education Unlimited

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Phone: 888-423-8462 / Fax: 561-775-4933 / Web: [www.4CEUINC.com](http://www.4CEUINC.com) / Email: [Lab@4ceuinc.com](mailto:Lab@4ceuinc.com)

## FLORIDA LICENSEE - CONTINUING EDUCATION WORKSHEET



**START DATE:** September 1, \_\_\_\_\_ **END DATE:** August 31, \_\_\_\_\_ (2 yr. cycle)

| I'M LICENSED IN:    | LICENSE CATEGORY  | MINIMUM REQ. HRS. ONLY IF LICENSED IN CATEGORY | HOURS I'VE COMPLETED: |
|---------------------|---|--|-----------------------|
|                     | Andrology   | 1  |                       |
|                     | Blood Banking   | 1  |                       |
|                     | Blood Gas Analysis                                      | 1  |                       |
|                     | Chemistry / UA / Toxicology                             | 1  |                       |
|                     | Cytogenetics  | 1  |                       |
|                     | Cytology  | 1  |                       |
|                     | Embryology  | 1  |                       |
|                     | General   | 0  |                       |
|                     | Hematology  | 1  |                       |
|                     | Histocompatibility                                      | 1  |                       |
|                     | Histology   | 1  |                       |
|                     | HIV Update (Mandatory for all)                          | 1  |                       |
|                     | Immunohematology  | 1  |                       |
|                     | Laws & Rules (Mandatory for all)                        | 1  |                       |
|                     | Mgmt/Supervision/ QAQC /Safety (Supervisor & Directors) | 1  |                       |
|                     | Medical Errors (Mandatory for all)                      | 2  |                       |
|                     | Microbiology / Mycology / Parasitology                  | 1  |                       |
|                     | Molecular Pathology                                     | 1  |                       |
|                     | Phlebotomy  | 0  |                       |
|                     | Radioassay  | 1  |                       |
|                     | Serology / Immunology                                   | 1  |                       |
| <b>TOTAL HOURS:</b> |   |  |                       |

This worksheet is for Florida Lab licensees to use as a guide when completing individual courses.

- Place an "X" in the first column if you hold a license in that category.
- Column three shows the minimum number of hours you must get to fulfill that category.
- Use column four to keep track of the hours that you have completed.
- You MUST complete a minimum of 24 contact hours per biennium.

## New Group Registration

Do you have 5 or more employees that need Continuing Education? Why not set up a group account and receive discounted pricing.



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# ■ New Group Registration & Ordering Info



## Group Ordering Benefits:

- ✓ Groups consist of 5 or more participants, including a group coordinator.
- ✓ Discounted pricing: Cost varies and is determined by the package & number of participants.
- ✓ Multiple CE packages available to choose from. Choose one option or mix & match.
- ✓ Flexible payment options available: The employees or the lab can pay – you choose.
- ✓ Lab Subscriptions for groups are extended from 12 months to 24 months.
- ✓ We have something for your entire staff: Lab, Histology, Cytology, and Phlebotomy.
- ✓ Various reports available to Group Coordinators.
- ✓ We can **Price Match** to meet or beat your current CE cost when the facility pays.

## COURSE OPTIONS AT A GLANCE:

### COMPREHENSIVE LAB SUBSCRIPTION **Online only.**

- ✓ With Subscriptions, each user gets access to all individual online course titles.
- ✓ Lab Subscription access is extended from 12 to 24 months for group accounts.
- ✓ Subscriptions allow the user to choose the categories and contact hours that they're interested in.
- ✓ Best option for those that like to choose their course titles or if you need more than 24 contact hrs.

### COMBO COURSES

- ✓ Combos consist of preselected titles. All sections must be completed to receive credit.
- ✓ On a budget? All Combo courses have share packages available. **Inquire for details.**

#### - GENERAL LAB COMBOS: [2 Options: General Lab Combo](#) [OR Florida General Lab Combos](#)

- ✓ General Lab Combos are 24-hours in length, which come in two 12-hour sections.
- ✓ Titles consist of multiple categories. See Combo sections for details
- ✓ FORMATS: Online Complete, Online Quiz Only, Printed Books, and Answer Sheets available.

#### - HISTOLOGY COMBOS: [2 Options: Histology Combo](#) [OR Florida Histology Combos](#) **Online only.**

- ✓ Histology Combos are 24-hours in length, which come in two 12-hour sections.
- ✓ PART I is mostly General Lab & Management/Safety, while PART II is Histology & Immunohistochemistry.

#### - FLORIDA CYTOLOGY COMBO **Online only.**

- ✓ Only for FL. Licensees. Consists of Cytology & FL Mandatory titles. See FL Combo section for details.

#### - PHLEBOTOMY COMBOS **Online only.**

- ✓ 6, 9, and 14-hour Phlebotomy Combos are available to meet the needs of your Phlebotomists.



# Continuing Education Unlimited

6231 PGA Blvd, Suite 104 / #306 / Palm Beach Gardens, FL 33418  
Phone: 888-423-8462 / Fax: 561-775-4933 / Web: [www.4CEUINC.com](http://www.4CEUINC.com) / Email: [Lab@4ceuinc.com](mailto:Lab@4ceuinc.com)

## New Lab Group Registration

**SEND THIS FORM BY:** Fax - 561-775-4933 **OR** EMAIL: [debbie@4ceuinc.com](mailto:debbie@4ceuinc.com)

### Facility Information [information you provide to us is kept confidential]

|                       |  |
|-----------------------|--|
| Facility Name:        |  |
| Mailing Address:      |  |
| Address:              |  |
| Address:              |  |
| City:                 |  |
| State:                |  |
| Zip:                  |  |
| 800# or Main Phone #: |  |
| Fax #:                |  |

### Educational Coordinator Information

|                     |  |
|---------------------|--|
| Edu Coordinator:    |  |
| Coordinators Email: |  |
| Phone #:            |  |

### Laboratory Manager Information

|                      |  |
|----------------------|--|
| Lab / Facility Mgr.: |  |
| Manager Email:       |  |
| Manager Phone #:     |  |

### Payment Options (choose one option)

|                          |   |
|--------------------------|---|
| <input type="checkbox"/> | Our facility will pay by CHECK, CREDIT CARD, or PURCHASE ORDER  |
| <input type="checkbox"/> | Our Employees will be responsible for paying for their own Continuing Education at time of enrollment |

### PRICE MATCHING: To request us to match a current Online CE quote from another CEU vendor:

- ✓ Send a copy of the quote along with this form and in most cases we can match the \$ with a similar product.
- ✓ Matched Pricing is for a similar PRODUCT / SERVICE when the FACILITY pays by check or credit card.
- ✓ We apologize, but we cannot match pricing if participants are paying individually for their course packages.
- QUOTE ATTACHED - Please indicate what type of CEUs are included and the total cost.

# New Group Registration & Ordering Info



## How Can We Help You?

- ✓ Call us at 561-775-4944 Ext. 4 OR Email [debbie@4ceuinc.com](mailto:debbie@4ceuinc.com)
- ✓ We understand that every facility has different needs when it comes to Continuing Education.
- ✓ Our staff will work with you to find a plan that works for your needs AND your budget.
- ✓ We have multiple CE options to choose from – choose one package or mix and match.
- ✓ We have something for all areas: General, Histology, Cytology, Phlebotomy, Molecular.
- ✓ We can **Price Match** to meet or beat your current CE cost when the facility pays.
- ✓ Already have a Lab CEU plan? Why not offer a 2<sup>nd</sup> learning option for your staff?
- ✓ **Group cycles are 24 months in length – no contract.**

## Payment Options:

- ✓ Choose from: Employees pay OR Facility pays.
- ✓ Employees Pay: we accept Visa, Mastercard, American Express, Discover, Checks, Cash.
- ✓ Facility Pays: we accept Checks or Credit Card payment.

## GROUP ORDERING AT A GLANCE

Cost Varies



### BASIC INFO:

# OF PARTICIPANTS: 5 or more  
 MUST HAVE COORDINATOR: Yes  
 SUBSCRIPTION LENGTH: 24 Months

### HIGHLIGHTS:

- We can **price match** to meet or beat your current cost.
- Cost depends on # participating in the group.
- We offer flexible billing and payment options.
- Various reports available to Group Coordinators.

\* We offer flexible payment options to suit the needs of your lab. Cost is dependent on payment option & # of participants. \*

### Your Group Would Choose One Payment Option Below:

|  |   |
|--|---|
| 1.) Each User Pays Individually              | <b>EXAMPLE:</b> Save \$60 over 24 months when you purchase the Subscription package as part of a group vs. an individual order. <b>IE:</b> \$55 for 24 months vs. \$85 for 12 months. |
| 2.) Facility Gets Invoiced for Each Employee | Good for facilities with high turnover or the # participating may change within the 24 months - including not sure who will participate. Allows more flexibility.                     |
| 3.) Facility Pays 1 Flat Fee for 24 Months   | Facility pays one flat fee - cost depends on # participating. <b>Price Match Available.</b>   |

**NEW** Develop Courses in Exchange for free CEUs. For every 1 – 2 hr. CEU course developed get free CE for 15-20 employees.

## GROUP BENEFITS AT A GLANCE:

- ✓ Lab CEU Subscriptions Extended from 12 months to 24 months
- ✓ Discounted Pricing for Group Participants
- ✓ Flexible Payment Options Available
- ✓ Various Reports Available to Group Coordinators

Already have CEUs at your Lab? Why not add another learning option? You can never have too much knowledge.

## Lab CEU Subscription

Lab CEU Subscriptions allow you to pick the titles and categories that you're interested in.

**Individual Users:** 12 months of access

**Group Users:** 24 months of access



[Back to Index](#)

# Subscription Course Titles

## Formats Available:

\* All courses are online \* You get the reading material & quiz \*



- Select the titles and categories that you're interested in.
- Contains all individual course titles.
  - \* Packages, Combos, and Textbooks are not included. \*
- Courses must be completed within your subscription period.

**NOTE:** Course titles and number of contact hours available within your Lab Subscription may vary slightly as new titles are added, and others expire.

## INDIVIDUAL PURCHASERS

### NOT PART OF A GROUP?

**\$85**



#### BASIC INFO:

**ACCESS:** Immediately after purchase

**DISCOUNTED PRICING:** No

**SUBSCRIPTION LENGTH:** 12 Months

#### HIGHLIGHTS:

- No need to be part of a group account.
- Place order online or by phone.
- Access all individual course titles (\*Combos and Packages not included in the Lab Subscription.)

## GROUP PURCHASERS

### MOST COST-EFFECTIVE OPTION

**Cost Varies**



#### BASIC INFO:

**# OF PARTICIPANTS:** 5 or more

**MUST HAVE COORDINATOR:** Yes

**SUBSCRIPTION LENGTH:** 24 Months

#### HIGHLIGHTS:

- **We can price match** to meet or beat your current cost.
- Cost depends on # participating in the group.
- We offer flexible billing and payment options.
- Various reports available to Group Coordinators.

\* We offer flexible payment options to suit the needs of your lab. Cost is dependent on payment option & # of participants. \*

#### Your Group Would Choose One Payment Option Below:

|  |  |
|--|--|
| 1.) Each User Pays Individually              | Starts at \$55/pp for 24 months for small to average size groups.<br>IE: \$55/24 months for group purchaser vs. \$85/12 months individual purchaser.       |
| 2.) Facility Gets Invoiced for Each Employee | Good for facilities with high turnover or the # participating may change within the 24 months (or not sure who will participate). Allows more flexibility. |
| 3.) Facility Pays 1 Flat Fee for 24 Months   | Facility pays one flat fee - cost depends on # participating. Price Match Available.   |

**NEW** Develop Courses in Exchange for free CEUs. For every 1 – 2 hr. CEU course developed get free CE for 15-20 employees.

#### GROUP BENEFITS AT A GLANCE:

- ✓ Subscription Extended to 24 months
- ✓ Discounted Pricing
- ✓ Various Reports Available to Group Coordinators
- ✓ Flexible Payment Options

Already have CEUs at your Lab? Why not add another learning option? You can never have too much knowledge.





# Lab CEU Subscription

Lab CEU Subscriptions allow you to pick the titles and categories that you're interested in.

**Individual Users:** 12 months of access

**Group Users:** 24 months of access



**PRICING:** Individual Purchasers = 12 months of access for \$85.  
Group Purchasers = 24 months of access. Pricing depends on the number of users and how payment is made (IE: 1 payment from the facility OR each group user pays individually). **We can price match.**

## Formats Available:

\* **Group purchasers get 24 months of access in their Subscription.**



- Select the titles and categories that you're interested in.
- Contains all individual course titles.
- \*Packages, Combos, and Textbooks are not included.\*
- Courses must be completed within your subscription period.

Our Course categories are listed in alphabetical order. This list shows titles actively available, as well as, courses that are in the final stages of Review, and those Pending will be available within 6 months.

## Subscription Course List: **Detailed List of Titles Included in the Subscription.** (Last Rev 9/21)

### BLOOD BANKING

- - The Blood Banking category contains courses that focus on blood donors, blood donation, and donor processing. **Also see the Immunohematology category for general Immunohem. topics.**

#### Blood Component Processing, Storage, Special Prep, and Labelling

##### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** BB002  
**CONTENT PAGES:** 17  
**QUIZ QUESTIONS:** 17

##### SUMMARY:

- Benefits of component therapy vs administration of whole blood
- List the various anticoagulant / preservatives in use today
- Describe the features of the standard collection bag configuration
- Describe component characteristics: shelf life, chemical changes, etc
- Describe AABB requirements: QC regs, temperature, equipment, etc
- And more...Labelling, irradiation, special proc., plasma derivatives, etc.



**Blood Banking**

# Subscription Course Titles

## CHEMISTRY CATEGORY

### CASE REPORT: Postpartum Acute Fatty Liver of Pregnancy



#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C032  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls the brief background of AFLP.
- Recalls the patient's status at the birth.
- Lists the treatments that the patient received.
- Reviews the Symptom and Lab Results for the patient



### Histopathology of Wilson Disease



#### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C033  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

#### SUMMARY:

- Recall the background of Wilson Disease (WD).
- Recall the cause and clinical manifestations of WD.
- Discuss the laboratory values seen in WD.

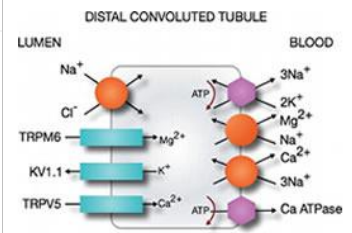
### Calcium, Phosphorus, and Magnesium Disorders

#### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** C030  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 20

#### SUMMARY:

- List disorders that can cause hyperkalemia
- List various agents that can cause hyperkalemia
- How to make the diagnosis of hyperkalemia
- Medications used to treat hyperkalemia



### Classification and Diagnosis of Diabetes

Blood Test Levels for Diagnosis of Diabetes and Prediabetes

|             | A1C (percent) | Fasting Plasma Glucose (mg/dL) | Oral Glucose Tolerance Test (mg/dL) |
|-------------|---------------|--------------------------------|-------------------------------------|
| Diabetes    | 6.5 or above  | 126 or above                   | 200 or above                        |
| Prediabetes | 5.7 to 6.4    | 100 to 125                     | 140 to 199                          |
| Normal      | About 5       | 99 or below                    | 139 or below                        |

Definitions: mg = milligram, dL = deciliter  
 For all three tests, within the prediabetes range, the higher the test result, the greater the risk of diabetes.

#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C024  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 16

#### SUMMARY:

- Explain what diabetes is.
- List the different classifications of diabetes.
- Discuss the genetics involved in diabetes.
- Identify who should be tested for diabetes.
- List the tests used to diagnose diabetes
- Recall the expected results for testing

# Subscription Course Titles

## Hyperkalemia

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C027  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- List disorders that can cause hyperkalemia
- List various agents that can cause hyperkalemia
- How to make the diagnosis of hyperkalemia
- Medications used to treat hyperkalemia

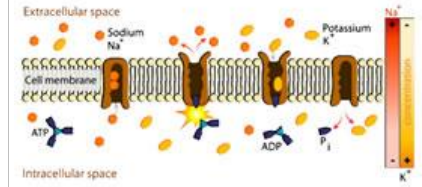
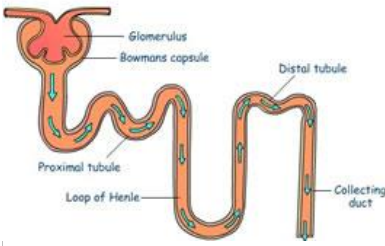


Figure 1: Sodium Potassium ATPase Pump

## Hyponatremia



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C026  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Recall the pathophysiology of hyponatremia.
- List the main hyponatremic disorders.
- Treatment options for hyponatremia and their outcomes.

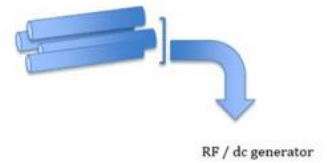
## Mass Spectrometry and its Role in Clinical Diagnostics

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C023  
**CONTENT PAGES:** 13 (many pics)  
**QUIZ QUESTIONS:** 6

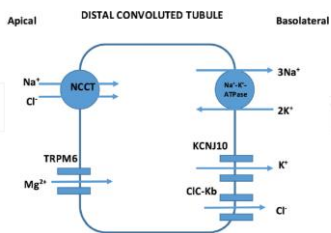
### SUMMARY:

- Explain the principle of Mass Spectrometry
- Identify common ionization methods & Mass analyzers
- Explain how Quadrupole works
- Identify common analytes that use Mass Spectrometry



## Metabolic Alkalosis

IN  
PROGRESS



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** TBD  
**COURSE CODE:** C029  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....

# Subscription Course Titles

## The Steroid Hormone Cascade

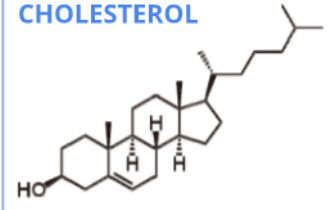
### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C018  
**CONTENT PAGES:** 21  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Summarize how hormones work: synthesis, effects, etc.
- Describe the role Cholesterol plays in the Hormone Pathway
- List the 5 major steroid hormone groups & ID the associated hormones.
- Explain the role each hormone plays in the body.
- Identify the enzymes that act on each hormone to convert it.
- Correlate a patient's lab results to hormonal disease states

### CHOLESTEROL



## Thyroid Hormone Excess



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C021  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Recall clinical features of Graves' disease.
- Discuss pathogenesis of Graves' disease.
- List the clinical features of Graves' disease.
- Identify tests available to diagnose Graves' disease.
- List the treatment options available for Graves' disease.

## Urine Collection Methods: A Basic Review

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** C028  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Review the urinary tract and its major components.
- Review what can be determined by testing urine.
- List the different types of urine collection methods.
- Briefly review specimen labelling and specimen rejection.



### Urine Collection

## CYTOGENETICS CATEGORY

### CASE REPORT: Cytogenetic & Genomic Analysis of a Turner Syndrome Patient

IN PROGRESS



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG010  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....

# Subscription Course Titles

## Case Studies in Cytogenetics-21

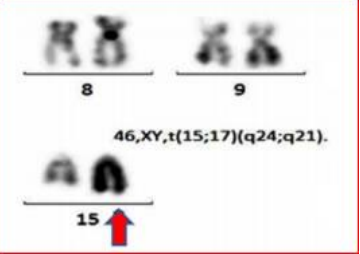
IN  
PROGRESS

### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG011  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....



## Cytogenetics Package-19

\* PACKAGE \*



PACKAGES ARE NOT AVAILABLE IN THE LAB SUBSCRIPTION

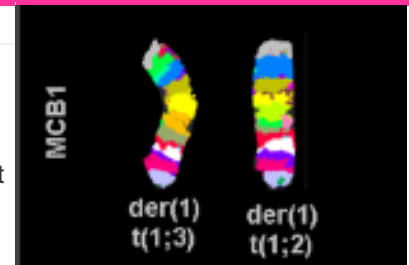
## CASE STUDY: A New AML with Complex Karyotype

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** CYG006  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls observable chromosome abnormalities in AML.
- Analyze the Case Study's laboratory results.
- Evaluates the entire course of the patient's treatment.
- Examine the conclusions made regarding this case report and associated findings.



## BRCA Mutations



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG003  
**CONTENT PAGES:** 35  
**QUIZ QUESTIONS:** 25

### SUMMARY:

- Describe the function of the BRCA gene.
- Recall who's at risk for carrying the BRCA genes.
- Evaluate the statistical probability of being a carrier.
- List the information assessed in the Gail Model.
- List the specimen types acceptable.
- Review the 6 possible results.

# Subscription Course Titles

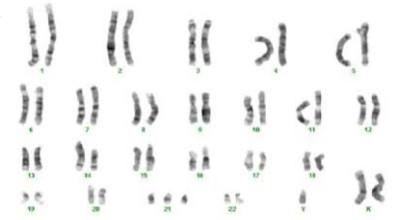
## Double Aneuploidy in Down Syndrome

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG007  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 20

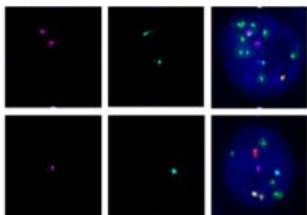
### SUMMARY:

- Recalls the discovery of chromosomes & some of their major syndromes and clinical features.
- Reviews common double aneuploidies involving Chromosome 21 and autosomal chromosomes.
- Discusses double aneuploidies involving Chromosome 21 and sex chromosomes.
- Discusses specific chromosome abnormalities and conditions.



## FISH: An Increasingly Demanded Tool

p53 BRCA1 Merge



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Recalls a brief background of FISH.
- Discusses FISH's role in diagnosing hematological malignancies.
- Discusses FISH's role in diagnosing non-hematological malignancies in solid tumors.
- Briefly discusses the progress in FISH methodology.

## Morphological Markers of Chromosome Instability

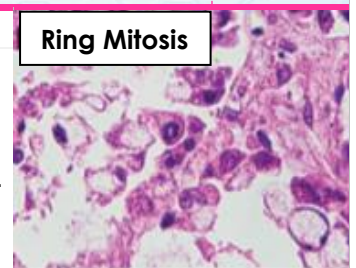
### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG008  
**CONTENT PAGES:** 5  
**QUIZ QUESTIONS:** 10

### SUMMARY:

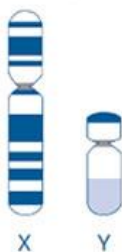
- Defines chromosomal stability.
- Discusses mitotic figures & how they correlate with malignancy.
- Defines atypical mitosis.
- Discusses telomere dysfunction & its relation to carcinogenesis.
- Recalls the use of morphological markers in chromosome instability.

Ring Mitosis



## X and Y Chromosome

X and Y Chromosomes



A Basic Review

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** CYG005  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Learn the background of the X Chromosome.
- Learn the health conditions related to X Chromosome changes.
- Learn the background of the Y Chromosome.
- Learn the health conditions related to Y Chromosome changes.

# Subscription Course Titles

## CYTOLOGY CATEGORY

### Comparison Between Two Liquid-Based Brush Biopsy Collection Methods

**IN REVIEW**

**BASIC INFO:**

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY018  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

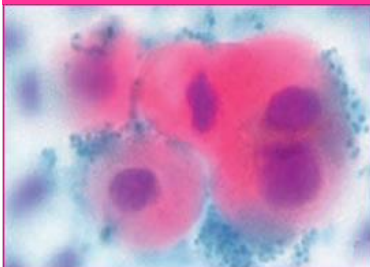
**SUMMARY:**

- Details To Follow.....



### Cytological Diagnosis of Bacterial Infections

**IN PROGRESS**



**BASIC INFO:**

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY019  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

**SUMMARY:**

- Details To Follow.....

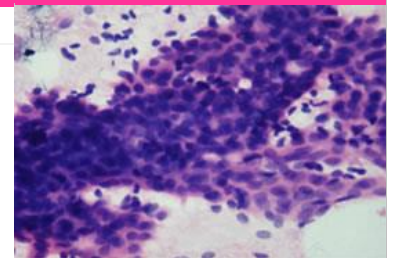
### Basics of Breast Cytology

**BASIC INFO:**

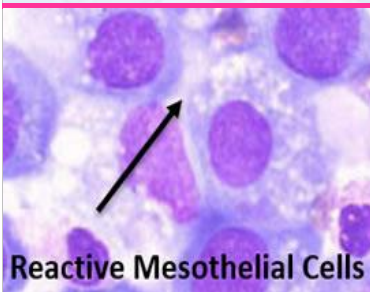
**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY015  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 14

**SUMMARY:**

- Recalls the statistics of breast cancer.
- Describes Fine Needle Aspiration Cytology.
- Discusses core biopsy, its limitations, advantages, & techniques.
- Discusses the Prognostic Panel for Breast Tissue and how cytology can identify various disease states.



### Body Fluid Effusions: Identifying Benign vs. Malignant Cells | [Order from Cytology Category](#)



**BASIC INFO:**

**CONTACT HOURS:** 3 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY014  
**CONTENT PAGES:** 90 slides  
**QUIZ QUESTIONS:** 17

**SUMMARY:**

\* Provides 2 hours in Cytology and 1 hour in Hematology

- Describes 3 types of effusions.
- Identifies the significance of WBCs in effusions.
- Discusses the gross appearance of serous fluids.
- Lists the differences of benign vs. malignant cellular features.
- Learn to identify benign vs. malignant cells in effusions.

# Subscription Course Titles

## Case Studies in Cytology-19

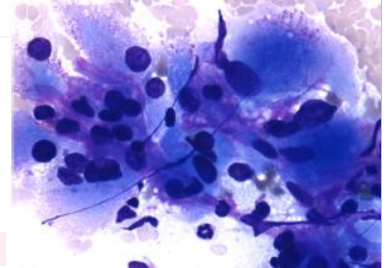
### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY017  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 9

### SUMMARY:

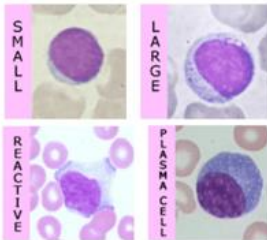
- This Package is made up of three short Case Studies:
  - ✓ Disseminated Histoplasmosis & the Utility of Skin Scrapings
  - ✓ Scar Site Metastasis of Renal Cell Carcinoma
  - ✓ Neuroendocrine CA of the Colon Presenting as Acute Meningitis

\* Course articles are not available individually.



## Review of Normal WBCs

### Lymphocytes



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY013  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- Lists the 5 types of WBCs.
- Reviews a brief background on each WBC type.
- Discusses the causes of increased & decreased WBC values.
- Identifies what cell line each of the 5 WBCs come from.

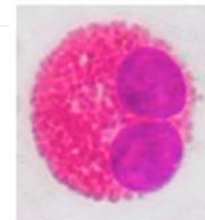
## Nasal Cytology in Children

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG012  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 9

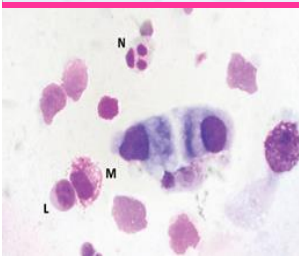
### SUMMARY:

- Recalls the background of nasal cytology & what it can diagnose.
- Lists the steps for collection, staining, & review.
- Describes cytology seen in allergic & non-allergic rhinitis.
- Discusses the term “overlapped” rhinitis & possible treatments.
- Discusses why it’s desirable to perform nasal cytology in children



Eosinophil

## Use of Nasal Cytology in Diagnosing Sinonasal Disorders



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY016  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Discusses the structures and epithelia of the nasal and sinus cavities.
- Recalls the cytological examination methods used for the case studies reviewed in this course.
- Briefly analyzes the patient results from this review.
- Recalls the most common inflammatory cytotypes observed in sinonasal disorders.
- Recalls the details of each type of inflammatory disorder, including Neutrophilic, Eosinophilic, Mast Cell, and Mixed Cell rhinosinusitis.



# Subscription Course Titles

## FLORIDA MANDATORY CATEGORY

### Florida – First Renewal Package

PACKAGES ARE **NOT** AVAILABLE IN THE LAB SUBSCRIPTION



- Medical Errors
- HIV Update

\* First Renewal Only

### Florida – Initial Licensure Package

#### FLORIDA INITIAL LICENSURE PACKAGE

- 1 Hour /AIDS Update

\* Initial Licensure \*

PACKAGES ARE **NOT** AVAILABLE IN THE LAB SUBSCRIPTION

### Florida – Mandatory Renewal Package

PACKAGES ARE **NOT** AVAILABLE IN THE LAB SUBSCRIPTION

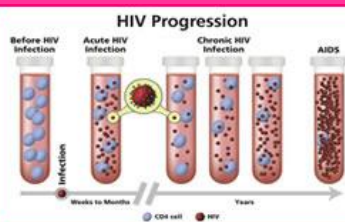


- Medical Errors
- HIV Update
- FL Laws & Rules

\* License Renewal \*

### 1 Hour HIV-AIDS Review

\* Also available as a 3 hour HIV/ AIDS course.



1 Hr. HIV/AIDS

#### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FM-1HIV019  
**CONTENT PAGES:** 38  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.
- *The requirement is a minimum of 1 hour HIV-AIDS Review.*

# Subscription Course Titles

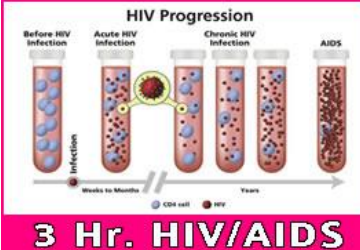
## 3 Hour HIV-AIDS Review | \* Florida BCLP requires a minimum of 1 hour in the HIV/AIDS Category.

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FM-3HIV019  
**CONTENT PAGES:** 3  
**QUIZ QUESTIONS:** 24  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.



## Florida Laws & Rules of the Board



FL Laws & Rules



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** LR021  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 6  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Briefly discusses Florida Law.
- Lists the general makeup of the Board of Clinical Lab Personnel (BCLP).
- Recalls the Laws that govern FL Clinical Lab.
- Recalls the Rules that govern FL Clinical Lab.

## Prevention of Medical Errors in Healthcare



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** ME021  
**COURSE SECTIONS:** 23  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls the role of different government agencies to reduce errors.
- Explains the different types of laboratory errors.
- Recalls The Joint Commission's (TJC) Sentinel Event policies.
- Recalls the process associated with Root Cause Analysis.
- Lists the National Patient Safety Goals.



# GENERAL CATEGORY

## HUMAN TRAFFICKING | \* This course has CE Broker credits, but NOT ASCLS PACE credits.



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** HT020  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recall what Human Trafficking is, discussing who are the victims are.
- Discuss the scope of Human Trafficking both globally and in the U.S.
- List the types of Human Trafficking.
- List the general and physical signs that indicate human trafficking.
- Discuss how to find the social services available for Human Trafficking.
- Recall how to report suspected Human Trafficking.



# Subscription Course Titles

## IMPAIRMENT IN THE WORKPLACE

**NEW**



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** RI020  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Discuss the basics of Substance Use Disorder (SUD).
- Recall Common Substance Use Terminology.
- Discuss reasons & risk factors for SUD, recalling stages of addiction.
- Recall the signs of workplace impairment.
- Define drug diversion and how to prevent it.
- Discuss proper steps for handling a workplace impairment incident.
- List the most common treatment options and return to work requirements.

## HEMATOLOGY CATEGORY

### CASE REPORT: Postpartum TTP

**NEW**



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H032  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recall the brief background of Thrombotic Thrombocytopenia .
- Recall the patient's medical history before the episode of TTP.
- Discuss the medical presentation of TTP in this case and list the treatments the patient received.
- Review and discuss the patient's lab results during her illness.

## A REVIEW OF BENZENE AND THE HEMATOLOGICAL SYSTEM

### BASIC INFO:

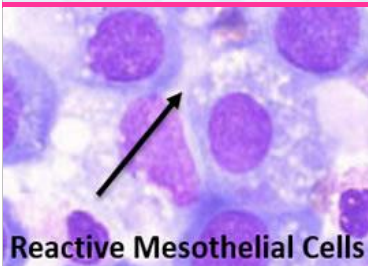
**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H029  
**CONTENT PAGES:** 4  
**QUIZ QUESTIONS:** 6

### SUMMARY:

- Briefly discusses Benzene, including the common routes of exposure.
- Discusses different hematological disease states and how they're affected by Benzene.
- Discusses safety policies, levels of exposure, and risk assessment associated with Benzene exposure.
- Discusses low level exposures to Benzene, recalling genetic and chromosomal change that may occur.



## Body Fluid Effusions: Identifying Benign vs. Malignant Cells | [Order from Cytology Category](#)



Reactive Mesothelial Cells

### BASIC INFO:

**CONTACT HOURS:** 3 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY014  
**CONTENT PAGES:** 90 slides  
**QUIZ QUESTIONS:** 17

### SUMMARY:

- \* Provides 2 hrs. in Cytology and 1 hr. in Hematology
- Describes 3 types of effusions.
- Identifies the significance of WBCs in effusions.
- Discusses the gross appearance of serous fluids.
- Lists the differences of benign vs. malignant cellular features.
- Learn to identify benign vs. malignant cells in effusions.

# Subscription Course Titles

## Case Studies in Hematology

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H021  
**COURSE ARTICLES:** 4  
**QUIZ QUESTIONS:** 14

### SUMMARY:

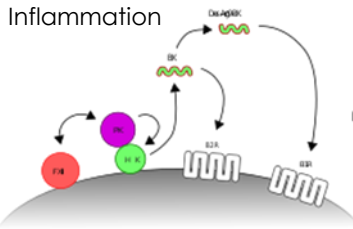
Includes the following titles:

- Leukemoid Reaction in Patient with Lung Adenocarcinoma.
- Anemia Secondary to Valproic Acid Therapy.
- Pancytopenia Associated with Clonazepam.
- Human Parvovirus B19 Infection in Transplant Patient.



## Contact Pathway of Coagulation and Inflammation

### Inflammation



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** H027  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Describes what the Contact System is.
- Discusses the Assembly-based activation of the Contact System.
- Discusses how the Contact System is involved in activation of the Intrinsic Pathway.
- Discusses how the Contact System is involved in inflammation and autoimmune disease.

## Factor XIII Review

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H023  
**CONTENT PAGES:** 17  
**QUIZ QUESTIONS:** 10

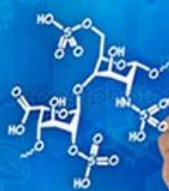
### SUMMARY:

- Describes primary & secondary hemostasis.
- Recalls details of the coagulation cascade.
- Lists the coag. factors in the intrinsic, extrinsic & common pathways.
- Recalls the history, structure, epidemiology, etc. of Factor XIII.
- Lists the laboratory tests available for Factor XIII.
- Discusses the Factor XIII case study & associated discussion points



## Heparin Induced Thrombocytopenia

### HEPARIN



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H028  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 14

### SUMMARY:

- Names the 2 types of heparin, recalling properties of each.
- Describes the mechanism of action for heparin.
- Discusses clinical assessment of HIT & how/when it occurs.
- Lists the tests used for diagnosis of HIT.
- Lists the alternative treatments for HIT.

# Subscription Course Titles

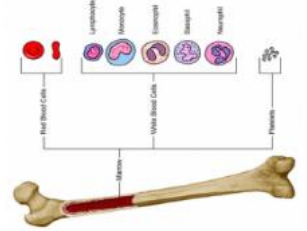
## Myelodysplastic Syndrome Review

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H022  
**CONTENT SLIDES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Explain the Epidemiology of Myelodysplastic Syndrome (MDS).
- Recall the signs and symptoms & pathological findings of MDS.
- Discusses the peripheral blood in MDS patients.
- Discusses the bone marrow in MDS patients.
- Lists the treatment options available for MDS patients.
- Recalls the prognosis for patients with MDS.



## Overview of Pediatric Hematology



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H028  
**CONTENT SLIDES:** 35  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls the changing sites of hematopoiesis in developing humans and the relevant progenitor cells.
- Recognizes the clinical presentations of select and clinical presentations of select pediatric anemias.

## Platelets: A Basic Review

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H029  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 8

### SUMMARY:

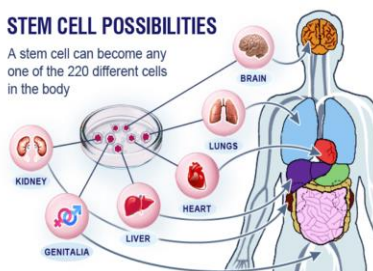
- Briefly discusses how platelets are formed from Megakaryocytes.
- Recalls the functional properties of platelets and the Zones that make up their structure.
- Describes the Alpha Granules, recalling their function.
- Describes the Dense Granules, recalling their function.
- Describes the Lysosomes, recalling their function.
- Briefly discusses Autologous Platelet Rich Plasma.



## Stem Cell Basics

### STEM CELL POSSIBILITIES

A stem cell can become any one of the 220 different cells in the body



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H019  
**CONTENT PAGES:** 17 + glossary  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Defines a stem cell.
- Recalls the properties unique to all stem cells.
- Discusses what an Embryonic Stem Cell is and what an Adult Stem Cell, defining features and tests of each.
- Lists similarities between Embryonic and Adult Stem Cells.
- Defines what a Pluripotent Stem Cell is.
- Defines glossary terms associated with stem cells.

# Subscription Course Titles

## Understanding Components of the CBC

### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H020  
**CONTENT PAGES:** 57  
**QUIZ QUESTIONS:** 22

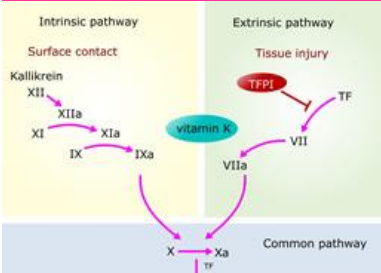
### SUMMARY:

- Recalls the composition of blood
- Lists the normal values for RBC & RBC indices and lists reasons for abnormal values.
- Lists normal values for WBC counts and lists reasons for abnormal values.
- Lists normal values for Platelets and causes for abnormal values

### RED BLOOD CELLS



## Understanding Hemostasis and Basic Coagulation Testing



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H025  
**CONTENT SLIDES:** 34  
**QUIZ QUESTIONS:** 10

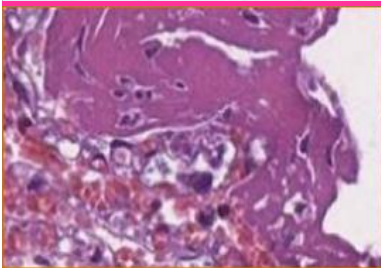
### SUMMARY:

- Summarizes the process of coagulation.
- Reviews hemostasis physiology to understand the coagulation assays.
- Distinguishes between lab coagulation assays.
- Discusses the major natural inhibitor pathways of coagulation initiation.
- Diagnoses basic disorders of hemostasis given commonly used laboratory assay values.

## HISTOLOGY CATEGORY

- - Also see the Immunohistochemistry category for IHC and Advanced Histology topics.

## Gross & Histopathology of COVID-19 Autopsy Specimens



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H045  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Discuss the brief background of the COVID patients in this case report.
- Recall the pulmonary histopathology of the COVID + specimens.
- Recall the olfactory bulb histopathology of the COVID positive specimens.
- Recall the renal histopathology of the COVID positive specimens.

## Histology of the Human Placenta

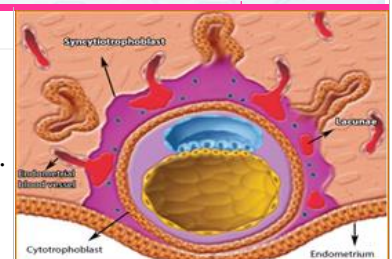


### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H047  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 12  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

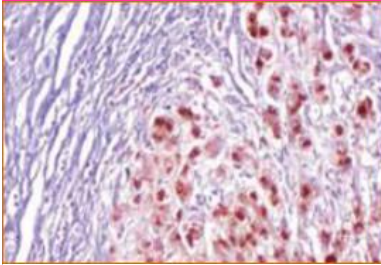
- Describe placental development.
- Recall the details of the placental villous tree.
- Recall the role of placental histology in clinical practice.



# Subscription Course Titles

## Histopathology of Wilsons Disease

NEW



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H046  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 15  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recall the background of Wilson Disease (WD).
- Recall the cause and clinical manifestations of WD.
- Discuss the laboratory values seen in WD.
- Recall the histopathology and histochemistry of WD.

## Artifacts in Histopathology: A Potential Cause of Misinterpretation

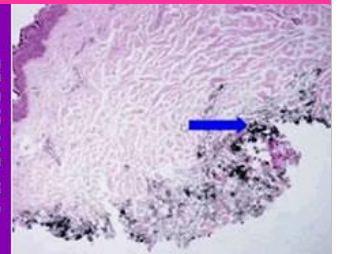
### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H035  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Identify the different types of artifacts encountered in Histology specimens.
- Discusses pre-fixation artifacts, from tattoo pigment, surgery, and contamination.
- Discusses artifacts encountered in specimen processing, fixation, cutting, staining, mounting, and microscopy.

Artifacts



## Estrogen and Cancer: Understanding Estrogen Receptors



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H033  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Defines what estrogens are and what tissues they target.
- Explains estrogen receptors & how they trigger gene activation.
- Recalls estrogen's effects on cell changes & cell proliferation.
- Discusses how estrogen can trigger cancer.
- Explains how anti-estrogen and SERMS work.

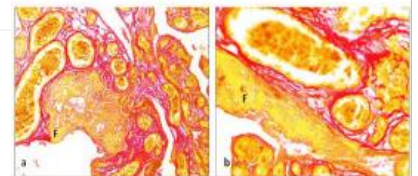
## Histological Changes of the Placenta in Diabetes

### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H030  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Describes the placenta recalling its normal pathology.
- Describes the method of placental tissue prep & staining.
- Discusses the differences seen between the diabetic & normal placental tissue.
- Recalls the different staining patterns for each type of stain.
- Recalls the histopathological differences: normal / diabetic.



DIABETIC PLACENTA

# Subscription Course Titles

## Histological Stains: A Literature Review and Case Study

Histo Stains



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H042  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Recalls specific aspects of Histopathology, including staining, fixation, gross & micro exams, advanced Histo. techniques, etc.
- Discusses literature review of historical staining techniques and important histological stains – both past & present.
- Reviews two case studies discussing staining methods.

## Histology Microtechniques

### BASIC INFO:

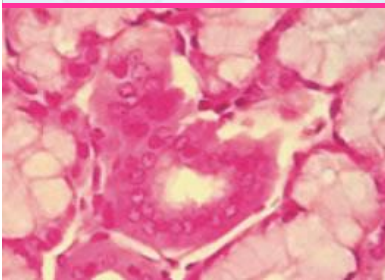
**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H044  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Discusses techniques associated with histology, including: tissue preparation, fixation & their types and classification, microwave irradiation, decalcifying agents, dehydration, clearing and embedding.
- Discusses microtomy, including: the cryostat, microtome knives, section thickness, etc.



## Histology of Normal Tissues



### BASIC INFO:

**CONTACT HOURS:** 3.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H041  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 19

### SUMMARY:

- Recalls the background of histology.
- Describes and discusses epithelial tissue.
- Describes and discusses connective tissue.
- Describes and discusses muscle tissue.
- Describes and discusses nervous tissue & the nervous system.

## Histology Stains: A Historical Review

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H036  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Discusses specific aspects of Histopathology: staining fixation, and gross & micro review.
- Lists some advanced histological stains.
- Lists the international regulating bodies for the control & standardization of biological staining methods.
- Recalls the history of staining techniques.
- Lists some of the stains that have been used in both past & present.
- Lists staining procedures developed more recently.





# Subscription Course Titles

## Microwave Assisted Tissue Preparation



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H038  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Recalls the background of microwave application in histology.
- Discusses the various applications of microwave use for: tissue fixation, fixation of cultured cells, decalcification, immunohistochemistry, immunofluorescence, antigen retrieval, fatty tissues, cryosectioning, and special staining.

## Pathology of Breast Diseases

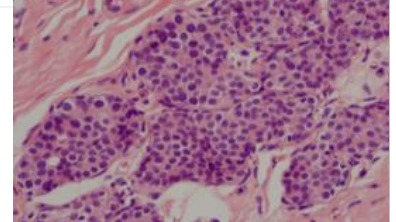
### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H037  
**CONTENT PAGES:** 28  
**QUIZ QUESTIONS:** 15

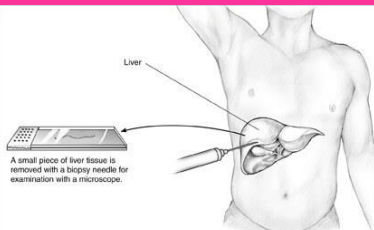
### SUMMARY:

- Discusses the impact that histopathology plays in treatment.
- Compares the different types of tissue collection methods.
- Explains the different chemical testing that can be done on breast biopsies, such as, estrogen, progesterone, and HER2 status.
- Compares 9 benign breast lesions listed in the article.
- Discusses breast neoplasms.
- Recalls the basics of breast cancer & compares 20 types in article.

*Lobular Carcinoma in Situ*



## Principles of the Liver Biopsy Procedure



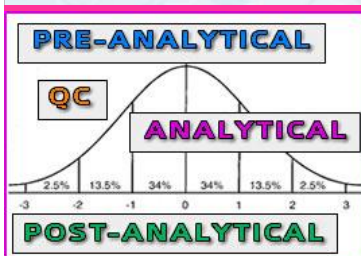
### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H027  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Compares the different types of liver biopsy.
- Lists the testing & other factors considered before biopsy.
- Describes and discusses connective tissue. Lists disease states where biopsy may be performed.
- Recalls blood testing that's performed within 24 hrs. of biopsy.
- Explains how the patient is prepped for biopsy.

## The Role of Technical QC in Histology Laboratories



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H043  
**CONTENT PAGES:** 4  
**QUIZ QUESTIONS:** 8

### SUMMARY:

- Defines Quality Management.
- Discusses Risk Analysis and Evaluation.
- Discusses the role of Technical Quality Control and its role in Histology Laboratories.
- Discusses Quality Assurance and the three phases.

# Subscription Course Titles

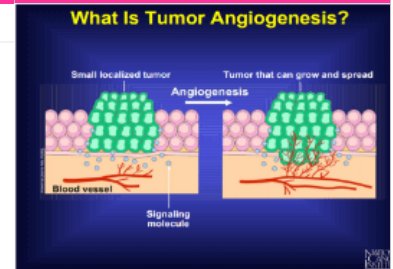
## Understanding Angiogenesis

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H032  
**CONTENT "SLIDES":** 28  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Defines metastasis, angiogenesis, and tumor angiogenesis, describing how they occur in relation to cancer.
- Recalls where angiogenesis occurs normally in the body.
- Describes how angiogenesis is regulated and how it affects tumor growth.
- Lists the molecules and proteins that can activate angiogenesis.
- Lists the proteins that inhibit angiogenesis.
- Discusses drugs that block angiogenesis.



## Understanding Cancers of Childhood – PART I



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H022  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Analyzes basic statistics associated with childhood cancers.
- Lists various types of childhood head and neck cancers.
- Recalls risk factors, histology, etc. for nasopharyngeal cancers.
- Discusses childhood Esthesioneuroblastomas.
- Recalls histology, presentation, evaluation, & treatment for thyroid tumors.
- Discusses salivary gland tumors, laryngeal cancers & more.

## Understanding Cancers of Childhood – PART II

### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H024  
**CONTENT PAGES:** 33  
**QUIZ QUESTIONS:** 24

### SUMMARY:

- Lists various types of thoracic cancers.
- Discusses details, statistics of breast, lung, bronchial, mesothelioma, etc.
- Lists various types of abdominal tumors.
- Incidence, risk factors, etc. of adrenal cortex, colorectal & GIST tumors.
- Lists various genital & urinary tumors and their statistical incidence.
- Lists the various other types of rare cancers seen in childhood, including MEN, pheochromocytoma, and melanoma.



## IMMUNOHEMATOLOGY CATEGORY

- - Also see the Blood Banking category for additional topics.

## Umbilical Cord Blood Collection & Banking



### BASIC INFO:

**CONTACT HOURS:** 2 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH018  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 5  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- \* Provides 1 hr Immunohematology & 1 hr Blood Banking
- Briefly define umbilical cord blood.
- Briefly recall the uses, statistics, and regulation of umbilical cord blood.
- Recall the pre-birth collection decisions for the parents.



# Subscription Course Titles

## Blood Safety



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH015  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Identifies the role each public agency plays in blood safety.
- Lists documents used to screen blood donors.
- Lists adverse reactions that can happen from transfusion.
- Lists infectious organisms that can affect the blood supply.
- Lists tests that the FDA states are mandatory for screening.
- **This course overlaps with Transfusion Transmitted Infections**

## Case Study: Alloantibody Causing Blood Type Conflict in Pregnant Female

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH018  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 5

### SUMMARY:

- Discusses the process of determining ABO/Rh of the patient in this case study.
- Recalls the process of performing antibody detection on the patient in this case study.
- Interprets the results for the patient in this case study.

**Alloantibody  
in a  
Pregnant  
Female**



## Mini Reviews in Immunohematology-19



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH020  
**CONTENT PAGES:** 5  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- This Package is made up of three short articles:
  - ✓ Implications of HLA in TRALI and Platelet Refractoriness
  - ✓ Early vs. Delayed Transfusion in Cirrhotic Patients
  - ✓ Zoonotic Babesiosis – A Growing Concern in Transfusion
- \* Course articles are not available individually.

## Risks, Complications, and Reactions Associated with Transfusions

### BASIC INFO:

**CONTACT HOURS:** 2 \*

**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H016  
**CONTENT PAGES:** 24  
**QUIZ QUESTIONS:** 13

### SUMMARY:

- Discusses the current trends in blood safety.
- Describes causes & presentation of allergic reactions.
- Identifies cause of hypotensive transfusion reaction.
- Lists various complications from massive transfusion.
- Describes causes & presentation of post transfusion purpura.
- Describes the causes of TACO, TAD, TAGvHD, TRALI, and TRIM.
- Identifies causes of transfusion transmitted infections (TTI)
- **Provides 1 hour in Immunohematology & 1 hour in Blood Banking**

**POST-TRANSFUSION  
TRALI**



# Subscription Course Titles

## Transfusion Transmitted Infections



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H019  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 12

### SUMMARY:

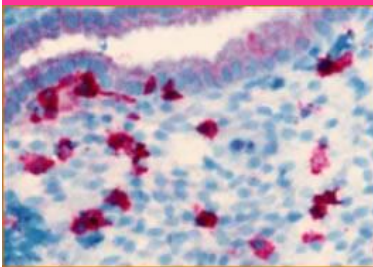
- Lists the bacterial organisms associated with TTIs.
- Lists the parasitic diseases associated with TTIs and testing methods.
- Lists the spirochetes associated with TTIs and testing methods.
- Lists the viral diseases associated with TTIs and testing methods.
- Provides 1 hour in Immunohematology & 1 hour in Blood Banking

## IMMUNOHISTOCHEMISTRY CATEGORY

- - Also see the Histology category for additional topics.

## A Short Review of Immunohistochemistry

NEW



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IHC008  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Defines what estrogens are and what tissues they target.
- Explains estrogen receptors & how they trigger gene activation.
- Recalls estrogen's effects on cell changes & cell proliferation.
- Discusses how estrogen can trigger cancer.
- Explains how anti-estrogen and SERMS work.

## CASE REPORT: 3rd Trimester Placental Pathology in COVID Positive Women

NEW

### BASIC INFO:

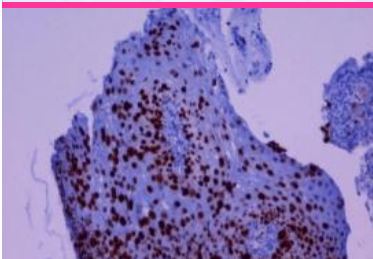
**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IHC009  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Describes the placenta recalling its normal pathology.
- Describes the method of placental tissue prep & staining.
- Discusses the differences seen between the diabetic & normal placental tissue.
- Recalls the different staining patterns for each type of stain.
- Recalls the histopathological differences: normal / diabetic.



## Ancillary Techniques in Histopathologic Diagnosis of Cervical SIL & GIL



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI034  
**CONTENT PAGES:** 21  
**QUIZ QUESTIONS:** 20

### SUMMARY:

- Discusses HPV induced cervical cancer.
- Discusses precursor lesions of cervical carcinoma.
- Discusses role HPV plays in carcinogenesis and the actions between oncoproteins and their cellular target proteins.
- Lists IHC stains used in the diagnosis of cervical lesions.
- Discusses detection of HPV through in Situ Hybridization

# Subscription Course Titles

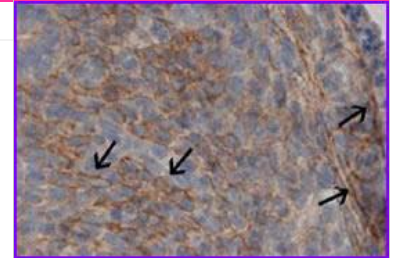
## Antigen Retrieval for Light & Electron Microscopy

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** IHC006  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 12

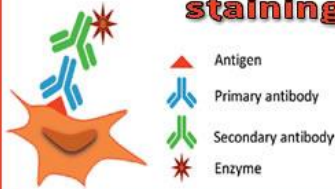
### SUMMARY:

- Briefly discusses antigen-antibody reactions.
- Discusses the different mechanisms of chemical fixation.
- Recalls the mechanisms of Heat Induced Antigen Retrieval.
- Discusses HIAR as it applies to immunoelectron microscopy.
- Describes the effects of diluents on antibodies in IHC.



## Detection Systems in Immunohistochemistry

### Indirect Immunostaining



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IHC007  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Describes Direct Detection Methods, recalling when they're used.
- Describes Indirect Methods, recalling when they're typically used.
- Discusses the Bridge Methods in IHC.
- Discusses the Biotin-Avidin/Streptavidin-Based Methods, listing the types.
- Discusses Polymer-Based Methods in IHC.
- Discusses Tyramide-Based Signal Amplification Methods in IHC.
- Discusses Rolling Circle Amplification Methods in IHC.

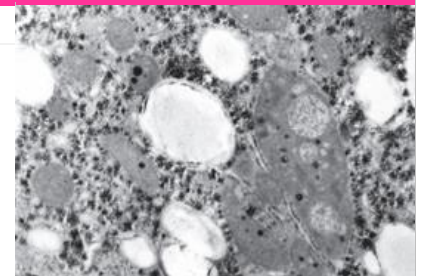
## Electron Microscopy of Liver Biopsies

### BASIC INFO:

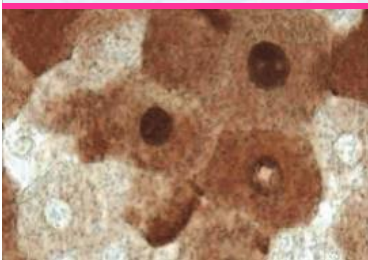
**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI029  
**CONTENT PAGES:** 24  
**QUIZ QUESTIONS:** 20

### SUMMARY:

- Discusses general features of the liver biopsy.
- Describes organelle pathology.
- Lists inborn lysosomal and metabolic diseases.
- Discusses infections and infestations.
- Lists different drugs and their hepatotoxicity.



## Immunohistochemistry for Chronic Hepatitis Diagnosis



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI031  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Discusses Hepatitis B virus (HBV) and Hepatitis C virus (HCV).
- Discusses HBV, HCV, Hepatitis Delta antigens.
- Discusses viral hepatitis antigen detection with visual examples.

# Subscription Course Titles

## Immunohistochemistry in Breast Pathology

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** HI040  
**CONTENT PAGES:** 16  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the background of IHC in breast pathology.
- Recalls the steps involved in IHC of the breast.
- Discusses quality control in IHC.
- Discusses prognostic & predictive roles of ER, PR, & Her-2 neu.
- Recalls the technical aspects in preanalytic, analytic, & postanalytic testing.



## Immunohistochemistry in Cervical Cancer



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI039  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Recalls the background of cervical cancer.
- Identifies the precursor lesions of squamous cell carcinoma.
- Discusses how IHC can identify cervical squamous cell carcinoma.
- Identifies the markers linked to tumor metastasis.
- Discusses markers that may predict response to chemotherapy.

## MANAGEMENT / SUPERVISION CATEGORY

## Understanding HIPAA



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU029  
**CONTENT SLIDES:** 63  
**QUIZ QUESTIONS:** 12  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls what HIPAA is and who must comply.
- Recalls the various rules associated with HIPAA.
- Explains how the Privacy & Security Rules affect PHI.
- List the Physical, Administrative, & Technical Safeguards of HIPAA.
- Recall what happens if a HIPAA Breach occurs & associated fines.
- List the types of breaches that HHS tracks.

## Assay Validations: Make Sure You Do It Right the First Time

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** SU023  
**CONTENT SLIDES:** 29  
**QUIZ QUESTIONS:** 9

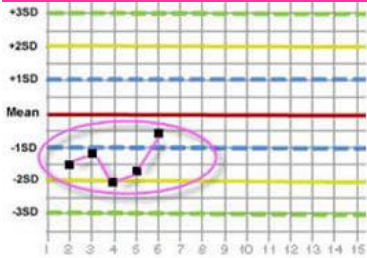
### SUMMARY:

- Lists the necessary steps to validate a new assay.
- Lists considerations when choosing a new clinical assay.
- Defines accuracy vs. precision.
- Reviews correlation.
- Reviews reference range determination.
- Discusses interference studies.
- Discusses special validation considerations



# Subscription Course Titles

## Basic Quality Control Review



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU019  
**CONTENT PAGES:** 11.5  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Lists the purpose of QA, listing factors that QA monitors.
- Defines Quality Control (QC) and discusses quality control material.
- Lists the CLIA policy requirements for a good QC program.
- Compares and contrasts Random and Systematic errors.
- Defines how mean and standard deviation are used in QC.
- Guides interpretation of QC results using the Westgard Rules.

## CLIA: A Brief Overview

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU025  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 6

### SUMMARY:

- Recalls who CLIA is.
- Discusses the steps for enrolling in a CLIA program.
- Lists the types of CLIA Certificates, explaining each type.
- Briefly discusses when Proficiency Testing must be performed.
- Recalls Test Method Categorization, listing the levels of complexity.



## Employee Files: Don't Get Lost in the Paperwork



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU022  
**CONTENT SLIDES:** 25  
**QUIZ QUESTIONS:** 5

### SUMMARY:

- Identifies the pre- and post-hire education that must be documented on each laboratory employee.
- Describes annual education requirements for laboratory staff.
- Describes competency assessment requirements and their frequency.
- Specifies items that need to be documented for employee disciplinary action.

## Prevention of Medical Errors in Healthcare | Florida Licensees see FL Mandatory Category

UPDATED

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** ME021  
**COURSE SECTIONS:** 23  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- **FLORIDA LICENSEES – See the FL Mandatory Category**
- Recalls the role of different government agencies to reduce errors.
- Explains the different types of laboratory errors.
- Recalls The Joint Commission's (TJC) Sentinel Event policies.
- Recalls the process associated with Root Cause Analysis.
- Lists the National Patient Safety Goals.



# Subscription Course Titles

## Proficiency Testing: FAQ Basics



**Proficiency Testing**

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU024  
**CONTENT SLIDES:** 47  
**QUIZ QUESTIONS:** 16

### SUMMARY:

- Lists the agencies involved in CLIA and Proficiency Testing (PT).
- Defines what Proficiency Testing is and when it should be performed.
- Lists what you need to know about Proficiency Testing enrollment.
- Discusses the importance of Proficiency Testing & need for result privacy.
- Discusses what happens when your lab receives unsuccessful or failing PT.
- Recalls the list of Non-Waived analytes that require Proficiency Testing.

## MICROBIOLOGY CATEGORY

### Antibiotic Resistance: Review of Serious Threats



#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M032  
**CONTENT PAGES:** 24 (many pics)  
**QUIZ QUESTIONS:** 11

#### SUMMARY:

- List the current serious antibiotic resistant threats.
- Recall important information you need to know about each organism, such as how it's spread, who may be at risk, etc.
- Recall the resistance profile over time for each organism.



### Coronavirus Disease: COVID-19



#### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M030  
**CONTENT PAGES:** 32  
**QUIZ QUESTIONS:** 21  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- History, classification, lifecycle, & clinical presentation of coronaviruses
- List the seven human coronaviruses.
- Recall the name evolution of COVID-19 & epidemiology factors.
- Describe the clinical presentation for COVID-19.
- Recall how COVID-19 is diagnosed and treated.
- Recall how the Public Health System manages this virus.

### Cytological Diagnosis of Bacterial Infections | [Order from Cytology Category](#)



#### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** TBD  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

#### SUMMARY:

- Details To Follow.....
- **This course will have hours split between Microbiology & Cytology**

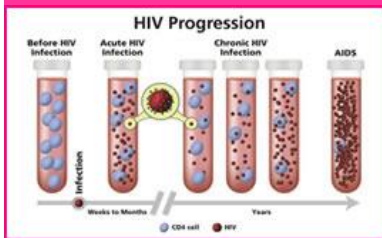




# Subscription Course Titles

## 1 Hour HIV-AIDS Review

Florida Licensees see FL Mandatory Category



**1 Hr. HIV/AIDS**

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** 1HIV019  
**CONTENT PAGES:** 38  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.

## 3 Hour HIV-AIDS Review

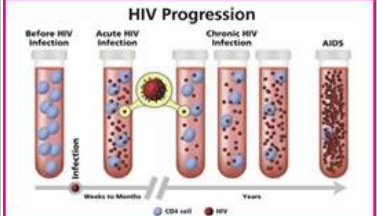
Florida Licensees see FL Mandatory Category

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** 3HIV019  
**CONTENT PAGES:** 3  
**QUIZ QUESTIONS:** 24  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.



**3 Hr. HIV/AIDS**

## Antibiotic Resistance: A Review of the Current Threats

**EXPIRING 12/31/21**



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M023  
**CONTENT PAGES:** 42 (many pics)  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the average number of annual antibiotic resistant infections.
- Describes how antibiotic resistance happens & how it's spread.
- Lists the three antibiotic resistance threat levels & what they mean.
- Identifies the bacteria listed in the Urgent, Serious, and Concerning threat categories, listing what each is resistant to.

## Bioterrorism: A Worldwide Threat

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M025  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 12

### SUMMARY:

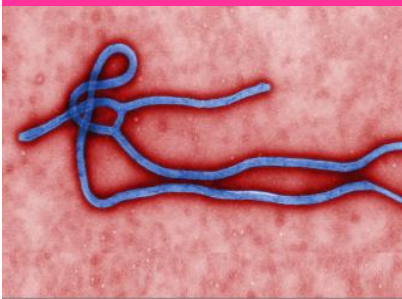
- Lists all the biological agents of terrorism.
- Discusses the background of each agent and recalls whether it's been used in a terror attack.
- Lists the chemical agents of terrorism.
- Discusses the chemical agents of terrorism, how they work, and whether they've been used in a terror attack.



# Subscription Course Titles

## Ebola Review for the Laboratory

BEING  
UPDATED



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** SU022  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 25

### SUMMARY:

- Currently being updated. Check back in 2022.

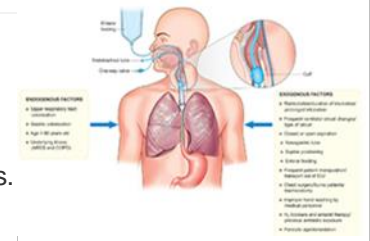
## Microbiology of Ventilator Associated Pneumonia

### BASIC INFO:

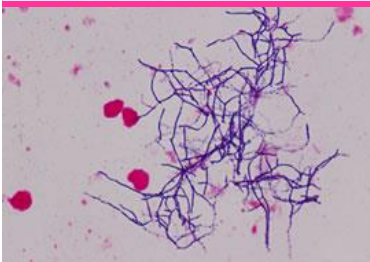
**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M029  
**COURSE PAGES:** 14  
**QUIZ QUESTIONS:** 18

### SUMMARY:

- Discusses the background for Ventilator Associated Pneumonia (VAP).
- Lists the risk factors associated with VAP.
- Discusses the most common organisms in VAP.
- Recalls the virulence of the major organisms involved in VAP.
- Recalls the antimicrobial susceptibility of the common organisms.
- Discusses the methods for laboratory diagnosis of VAP.



## Nocardiosis: Clinical and Pathological Aspects



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M026  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the Taxonomy and Epidemiology of Nocardia.
- Describes the microbiological profile of Nocardia.
- Discusses the clinical features of Nocardia.
- Briefly recalls the clinical features of Nocardia in immunocompromised patients.
- Lists the treatment options available for treating Nocardia.

## People, Pets, and Zoonoses | Complete this version before Dec 31, 2021

BEING  
UPDATED

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M018  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Identifies the term Zoonose, recalling who's at risk & prevention strategies.
- Lists the zoonotic diseases each type of animal can carry.
- Recalls general information about the most common bacterial, fungal, viral, and parasitic zoonoses, including transmission, symptoms, diagnosis, and treatment strategies.



# Subscription Course Titles

## Sexually Transmitted Diseases

**STD**  
**SEXUALLY  
 TRANSMITTED  
 DISEASE**

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M019  
**CONTENT PAGES:** 24  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Identifies the infectious agents that cause STDs.
- Lists the organisms capable of causing genital ulcers & warts, urethritis, cervicitis, trichomonas, and vulvovaginal candida, describing the signs & symptoms, diagnosis, and treatment.
- Briefly discusses the causative agents for PID, epididymitis, and proctitis.
- Lists several ways to prevent STDs from occurring.

## Tickborne Illness Package

**IN  
 PROGRESS**

PACKAGES ARE **NOT** AVAILABLE IN THE LAB SUBSCRIPTION

**\* PACKAGE \***



## Tickborne Illness: Vector Review

**IN  
 PROGRESS**



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Basic  
**COURSE CODE:** TBD  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Reviews the vectors associated with tickborne illness.
- Discusses their stages and lifecycle.
- Lists the diseases associated with each type of tick.

## Tickborne Illness: Review of Diseases

**IN  
 PROGRESS**

### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Basic  
**COURSE CODE:** TBD  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Reviews Anaplasmosis, Babesiosis, Ehrlichiosis, Lyme Disease, Rocky Mountain Spotted Fever, Tuleremia, and other lesser known tickborne diseases.
- Lists the locations found, incubation period, signs & symptoms, general laboratory findings, and treatment for the main tickborne diseases.



**Ehrlichiosis**

# Subscription Course Titles

## Understanding Sepsis



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M028  
**CONTENT SLIDES:** 58  
**QUIZ QUESTIONS:** 14

### SUMMARY:

- Generally, defines what sepsis is, how it starts, and risk factors.
- Lists the differences between Sepsis-2 and Sepsis-3.
- Recalls common signs and symptoms a patient may experience.
- Lists the lab tests commonly ordered to diagnose sepsis & significance of their values.
- Recalls treatments commonly used for sepsis patients.
- Lists some of the conditions a patient may experience with post sepsis syndrome (PSS).

## Zika Virus: Update and Overview

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M024  
**CONTENT PAGES:** 9  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Describes where Zika virus was first discovered.
- Recognizes species of mosquito that carry Zika in the U.S.
- Elaborates how Zika virus can and cannot be spread.
- Describes the Pathologies cause by Zika in the fetus and newborns.
- Discusses testing for the Zika virus.



## MOLECULAR PATHOLOGY CATEGORY

## A Basic Guide to Real Time PCR in Microbial Diagnostics

IN PROGRESS

### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP015  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....



## COVID-19 Pandemic: From Genetics and Genomics, to Therapy, and Vaccination

IN PROGRESS



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP014  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....

# Subscription Course Titles

## mRNA in cancer immunotherapy

IN  
PROGRESS

### BASIC INFO:

**CONTACT HOURS:** TBD

**COURSE LEVEL:** Intermediate

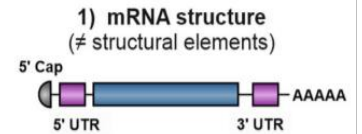
**COURSE CODE:** MP015

**CONTENT PAGES:** TBD

**QUIZ QUESTIONS:** 5

### SUMMARY:

- Details To Follow.....



**Standard procedures**  
modified nucleotides  
+ purification processes

## Genetic Testing: A Basic Review



### BASIC INFO:

**CONTACT HOURS:** 2

**COURSE LEVEL:** Basic

**COURSE CODE:** MP010

**CONTENT PAGES:** 13

**QUIZ QUESTIONS:** 12

### SUMMARY:

- Lists the different types of genetic testing.
- Defines informed consent.
- Describes what "Direct to Consumer" testing is.
- Discusses what various genetic test results may mean & the benefits.
- Defines genetic discrimination.
- Recalls whether genes can be patented.
- Explains genetic ancestry testing.

## PCR and Infectious Diseases

### BASIC INFO:

**CONTACT HOURS:** TBD

**COURSE LEVEL:** Intermediate

**COURSE CODE:** MP011

**CONTENT PAGES:** TBD

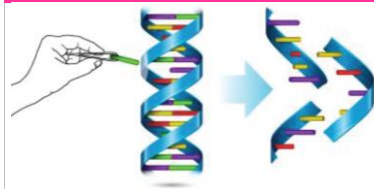
**QUIZ QUESTIONS:** 5

### SUMMARY:

- Discusses infectious diseases and the benefits of polymerase chain reaction (PCR).
- Lists the different PCR techniques, including Multiplex PCR, LAMP-PCR, Real-Time PCR, and Digital PCR, and each of their clinical applications in the diagnosis of infectious disease.



## Regulatory Concern of PCR Carryover Concern



Enzymatic Method to control contamination

### BASIC INFO:

**CONTACT HOURS:** 1

**COURSE LEVEL:** Intermediate

**COURSE CODE:** MP013

**CONTENT PAGES:** 9

**QUIZ QUESTIONS:** 7

### SUMMARY:

- Discusses Polymerase Chain Reaction (PCR), PCR-based technologies, and PCR contamination.
- Lists potential sources of contamination in PCR.
- Lists the different methods to control contamination in PCR.
- Discuss the methods to detect contamination in PCR.

# Subscription Course Titles

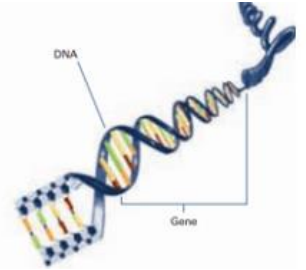
## RNA & DNA: A Basic Review

### BASIC INFO:

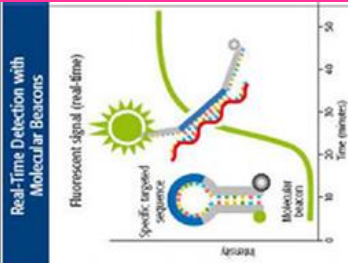
**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** MP009  
**CONTENT PAGES:** 36 (many pics)  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Describes the structure of DNA and recalls how it replicates itself.
- Describes the processes of meiosis, transcription, and translation.
- Describes the structure of ribosomes and recall what they do.
- Describes what a DNA microarray is and what it can do.
- Lists the differences between RNA and DNA.
- Defines the terms microRNA, RNA interference, gene expression, etc.
- Defines what a telomere is and what its function is.
- Describes what mitochondrial DNA is and where it comes from.



## Use of Nucleic Acid Testing in Molecular Diagnostics



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP012  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- Recalls the process of PCR.
- Describes the importance of Nucleic Acid measurement in HIV-1.
- Describes how Nucleic Acid Testing is used in other therapeutic areas including, infectious disease, blood screening, genetics, prenatal testing, inherited diseases, and cancer markers.

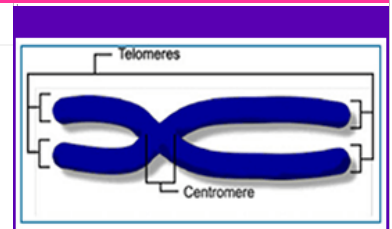
## What is a Genome

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** MP008  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- Recalls the physical sub-structure of the Human Genome.
- Describes the step by step process that takes genes and turns them into proteins.
- Discusses human genes and their process of switching, transcription, and transmission.
- Recalls the various mechanisms of genetic variation & heredity.



## PHLEBOTOMY CATEGORY

### LABORATORY TESTING PHASES AND THEIR ASSOCIATED ERRORS



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH009  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

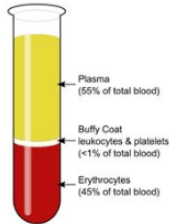
### SUMMARY:

- List the three different phases for Laboratory Testing.
- Discuss the importance of proper specimen ordering, collection, transport, and storage during the Preanalytical phase.
- Discuss the Postanalytical errors, which most commonly include specimen reporting errors.
- Recall the importance of up-to-date procedure manuals and adequate staff training.

# Subscription Course Titles

## Human Blood Composition: Review of Cellular Components

BLOOD COMPOSITION



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH007  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Recalls the composition of Human Blood – liquid & cellular portions.
- Describes a red blood cell (RBC), listing causes of abnormal values.
- Describes where White Blood Cells (WBCs) can be found.
- Lists the five different types of EBCs and discusses the reasons for increased or decreased values of each.
- Describes the purpose of Platelets, listing the causes for abnormal values.

## Infectious Complications Caused by Phlebotomy

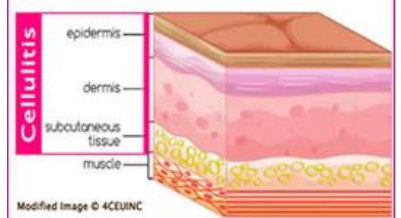
### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH006  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- List the types of infectious complications that can occur from phlebotomy.
- List the signs & symptoms, laboratory evaluation, and treatment options for cellulitis.
- List the signs & symptoms, laboratory evaluation, and treatment options for abscesses.
- List the signs & symptoms, laboratory evaluation, and treatment options for sepsis and septicemia.
- Recalls the patient risk factors that may contribute to complications.
- Recalls some important infection control measures for safety.

### LAYERS OF SKIN AFFECTED BY CELLULITIS



## Patient Injuries Caused by Phlebotomy



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH005  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Discusses why phlebotomy injuries occur.
- Describes the injuries that can be caused by tourniquet application.
- Explains what a hematoma is and how it is caused.
- Describes wat compartment syndrome is and the complications it causes.
- Explains phlebitis & thrombophlebitis, describing the symptoms.
- Recalls the signs & symptoms of nerve injury and its prevention.
- Lists the sites that should be avoided during venipuncture.

## Preanalytical Errors in Specimen Collection | Updated version goes live Oct 1, 2021

BEING UPDATED

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH008  
**CONTENT PAGES:** 26  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Highlights the three different types of laboratory errors.
- Discusses the laboratory's role in quality specimen collection.
- Lists the different types of preanalytical errors that can occur in specimen collection.



# Subscription Course Titles

## Specimen Collection: A Basic Review



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH003  
**CONTENT SLIDES:** 40  
**QUIZ QUESTIONS:** 13

### SUMMARY:

- Lists patient identification procedures.
- Discusses the order of draw and its significance.
- Describes proper labelling techniques.
- Describes the proper technique for blood culture collection.
- Discusses collection, equipment, selecting draw sites, etc.
- Discusses capillary collection, including steps, sites, & tips.

## SAFETY CATEGORY

## Respirator Review



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF012  
**# of Videos:** 2  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- This course consists of 2 videos:
- **Video 1:** Respirator Types.
  - **Video 2:** Respiratory Protection for Healthcare Workers.

## 12 Hours Bloodborne Pathogens Review

PACKAGES ARE **NOT** AVAILABLE IN THE LAB SUBSCRIPTION

\* PACKAGE \*

**12 HOUR  
BLOODBORNE  
PATHOGENS**



## BBP SERIES: Basic Review of the Pathogens

### BLOODBORNE PATHOGENS

HIV

HCV

HBV



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF003  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Lists potential BBPs, recalling the most common ones.
- Lists the transmission routes for BBP.
- Recalls the background, symptoms, incubation period, risk of occupational injury & post-exposure prophylaxis, for HIV, HBV, and HCV.
- Discusses what to do after a BBP exposure.
- Recalls how to minimize having an occupational exposure.



# Subscription Course Titles

## BBP SERIES: Communication Hazards & Recordkeeping

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF008  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls the importance of Labels & Signs in relation to BBP.
- Discusses training as it relates to BBP and the content that must be provided in the training courses.
- Recalls when and how appropriate training is conducted.
- Discusses the standard requirements for training and medical records.



## BBP SERIES: Exposure Control Plan



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF004  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 23

### SUMMARY:

- Recalls the purpose of the Exposure Control Plan (ECP).
- Recalls how often the ECP must be updated & who should have access.
- Lists the main sections of the ECP.
- Discusses the main areas of the ECP & possible citations when the plan is not followed.

## BBP SERIES: HBV Vaccination and Exposure Control Procedures

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF007  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls the basics of the BBP Standard that focuses on HBV vaccination.
- Discusses the HBV vaccination policies.
- Lists the steps to take during a post-exposure



## BBP SERIES: HIV and HBV Research Production Facilities



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF006  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 8

### SUMMARY:

- Defines Research Laboratory.
- Recalls the criteria that must be met at research laboratories.
- Recalls the containment equipment used at research laboratories.

# Subscription Course Titles

## BBP SERIES: Personal Protective Equipment

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF005  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 6

### SUMMARY:

- Recalls the appropriate use of PPE, including donning & doffing.
- Lists the different types of gloves and describing limitations of each.
- Lists the different types of outerwear, describing their limitations.
- Lists the different types of eye protection, describing their limitations.
- Lists the different types of respiratory protection & their limitations.



## Biological Safety Cabinets



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU020  
**CONTENT PAGES:** 35  
**QUIZ QUESTIONS:** 30

### SUMMARY:

- Discusses the purpose of Biological Safety Cabinets (BSC).
- Discusses the functionality of HEPA filters.
- Identifies the mechanical & biological differences of Class I, Class II, and Class III BSCs.
- Lists some general rules to ensure safety when working in a BSC.
- Discusses the maintenance & engineering requirements for BSCs
- Identifies the steps necessary to certify the biosafety cabinets.

## Latex Allergy in Healthcare

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF011  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recall how natural latex rubber is harvested and manufactured
- Discuss latex products in healthcare, listing examples.
- Recall the clinical reactions to latex, including the symptoms and types of reactions
- Recall how latex allergy is diagnosed.
- Discuss steps that can be taken to manage the disease.



## Hand Hygiene



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF009  
**CONTENT SLIDES:** 59  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Recalls the birth of hand hygiene.
- Discusses the importance of hand hygiene in relation to healthcare acquired infections (HAIs).
- Recalls when to perform hand hygiene.
- Lists the steps for correctly performing hand hygiene.
- Lists concerns related to hand hygiene.
- Lists hand hygiene facts and "truths worth knowing".

# Subscription Course Titles

## SEROLOGY CATEGORY

### VACCINES: A Basic Review

NEW



#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S031  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls the first successful vaccine.
- Recalls the immune cells involved in successful vaccination
- Lists the possible ingredients that may be inside a vaccine.
- Lists the possible side effects of vaccines.
- Lists the different types of vaccines.
- Briefly describes the FDA's oversight role in vaccine development.

### VACCINES: COVID-19 Vaccine Review

NEW

#### BASIC INFO:

**CONTACT HOURS:** 3.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S033  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 14  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls immune cells involved in successful vaccination.
- Discusses the EUA that allowed vaccine distribution.
- Lists the different types of vaccines, recalling the COVID-19 types available in the U.S.
- Lists the possible side effects of the COVID-19 vaccines.
- Discusses special patient populations that may not be able to take the COVID-19 vaccines



### VACCINES: FDA's Oversight Role

NEW



#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** S032  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Briefly recall the FDA's role in vaccine development
- List the Phases in the Clinical Development Process and what happens in each stage.
- Discuss special circumstances in vaccine development, such as an EUA, and when they can be used.

### Hepatitis B: Immunity & Prevention Strategies Through Vaccination \*

BEING UPDATED

#### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S020  
**CONTENT PAGES:** 31  
**QUIZ QUESTIONS:** 31

#### SUMMARY:

\* Check back in early 2022

- Discusses the clinical features & complications of HBV.
- Identifies appropriate lab tests for pre and post vaccine testing.
- Discusses the epidemiology of HBV.
- Lists general characteristics of HBV vaccines.
- Discusses the immunogenicity & vaccine effectiveness among age groups.
- Recalls vaccine schedules & effectiveness among age groups.
- Discusses post-vaccination testing, treatment options for post-exposure.
- Lists contraindications and adverse reactions.



# Subscription Course Titles

## Immune Principles of Vaccination | Complete this version before Dec 31, 2021

BEING  
UPDATED



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S022  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls what Passive Immunity is and gives examples.
- Recalls what Active Immunity is and gives examples.
- Recalls what Live Attenuated vaccine, Inactivated Vaccine, and Polysaccharide Vaccines are, describing the immune response.
- Describes how a Recombinant Vaccine is made, listing the types of vaccines available.

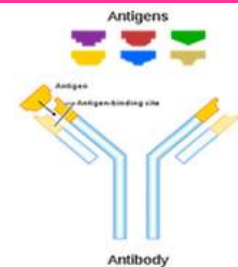
## Immunoglobulin Review – PART I: Immunoglobulin Structure

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** SAF011  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 6

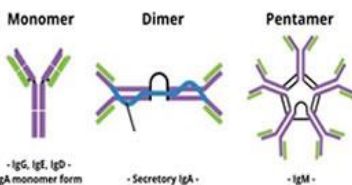
### SUMMARY:

- Recalls a brief overview of immunoglobulins.
- Describes the immunoglobulin structure.
- Lists the major components of an immunoglobulin and their function, including heavy and light chains, disulfide bonds, hinge region, and immunoglobulin fragments.
- Describes the antigen-antibody complex and its functions.



Ig  
STRUCTURE

## Immunoglobulin Review – PART II: Immunoglobulin Types & Uses



### Ig TYPES & USES

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** S028  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 20

### SUMMARY:

- Recalls a brief overview of immunoglobulins (Ig).
- Describes the immunoglobulin structure.
- Lists the 5 types of immunoglobulins, describing each type.
- Lists disease states that causes elevated and decreased Ig levels.
- Lists the medical applications for antibodies.

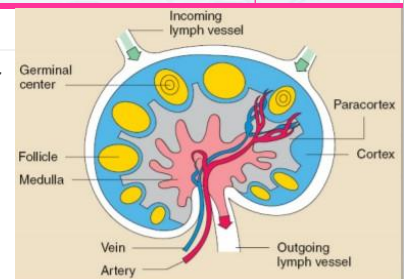
## Introduction to Basic Immunology

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S021  
**CONTENT PAGES:** 16  
**QUIZ QUESTIONS:** 10

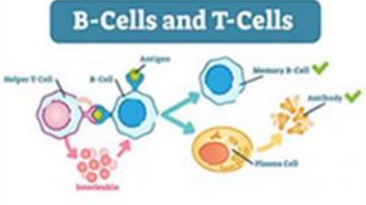
### SUMMARY:

- Identifies the organs that are part of the lymphoid system, recalling their function.
- Recalls the details of Innate Immunity, discussing the cells involved.
- Recalls the details of Adaptive immunity and how T and B cells function.
- Discusses the differences between antibody- vs cell-mediated immunity.
- Describes Passive and Active Immunization.
- Recalls the disorders of a malfunctioning immune system.

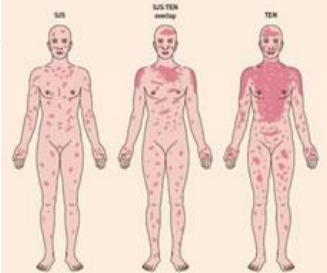


# Subscription Course Titles

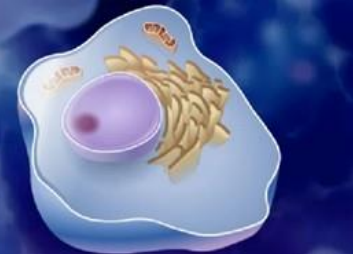
## Introduction to Immunology and Immunopathology

|  |                            |   |
|--|----------------------------|---|
|  | <b>BASIC INFO:</b>         | <b>SUMMARY:</b>   |
|  | <b>CONTACT HOURS:</b> 2    | - Defines Innate and Adaptive Immunity, listing components of each.                                     |
|  | <b>COURSE LEVEL:</b> Basic | - Compares and contrasts antibody- & cell- mediated immunity.   |
|  | <b>COURSE CODE:</b> S029   | - Compares and contrasts Passive vs. Active immunization.   |
|  | <b>CONTENT PAGES:</b> 11   | - Discusses immunopathology, including: hypersensitivity reactions, autoimmunity, and immunodeficiency. |
| <b>QUIZ QUESTIONS:</b> 9   |                            |   |

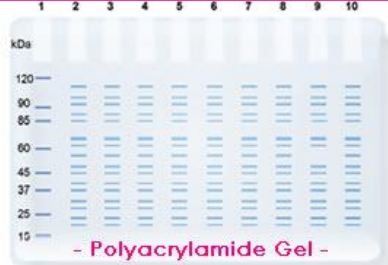
## Toxic Epidermal Necrolysis and Stevens-Johnson Syndrome

|                                   |  |  |
|-----------------------------------|--|--|
| <b>BASIC INFO:</b>                | <b>SUMMARY:</b>  |  |
| <b>CONTACT HOURS:</b> 2           | - Recalls the background on TENS & Stevens-Johnson Syndrome (SJS).   |  |
| <b>COURSE LEVEL:</b> Intermediate | - Recalls the epidemiology of TENS and SJS.  |  |
| <b>COURSE CODE:</b> S018          | - Lists the clinical features, recalling the acute & late phase sequelae.  |  |
| <b>CONTENT PAGES:</b> 8           | - Describes the etiology & pathogenesis of TENS and SJS, including genetic susceptibility, drugs, and diagnosis. |  |
| <b>QUIZ QUESTIONS:</b> 12         | - Lists the management and therapy options for treating TENS & SJS.  |  |
|                                   | - Recalls the prognosis for TENS and SJS.  |  |

## Understanding the ABCs of the Immune System

|  |  |   |
|--|--|---|
|  | <b>BASIC INFO:</b>   | <b>SUMMARY:</b>   |
|  | <b>CONTACT HOURS:</b> 2.5  | - Lists areas of the body where immune cells are located.                   |
|  | <b>COURSE LEVEL:</b> Intermediate  | - Describe the three different types (features) of an immune response.      |
|  | <b>COURSE CODE:</b> S024   | - Lists the different cells of the immune system, recalling their function. |
|  | <b>CONTENT PAGES:</b> 20   | - Recalls what immune tolerance is.   |
| <b>QUIZ QUESTIONS:</b> 10  | - Lists the major disorders of the immune system, giving examples of each. |   |

## Western Blot: A Valuable Immunoassay

|                                   |  |   |
|-----------------------------------|--|---|
| <b>BASIC INFO:</b>                | <b>SUMMARY:</b>  |  |
| <b>CONTACT HOURS:</b> 3           | - Recalls a history of the Western Blot (WB) technique.            |   |
| <b>COURSE LEVEL:</b> Intermediate | - Discusses the evolution of the Western Blot technique over time. |   |
| <b>COURSE CODE:</b> S030          | - Lists other test methods based on Western Blotting.              |   |
| <b>CONTENT PAGES:</b> 16          | - Discusses Western Blot applications.                             |   |
| <b>QUIZ QUESTIONS:</b> 20         | - Lists other immunoassay methods and the connection with WB.      |   |

--- END OF THE SUBSCRIPTION COURSE LIST ---

# Subscription Course Titles

## Understanding this Course Format:



With the Subscription, the purchaser receives the reading material in an online document – PDF file or PowerPoint – and completes the quiz online. For your convenience, one copy of the reading material and quiz may be printed out to work offline or can be saved to a flash drive for future reference. Remember to save a copy of the document **before** completing the quiz. If you choose to read the material offline, you must still return to your online profile and enter the quiz results into the online quiz, where it is graded.

## Common Course Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for all online courses, provided that your license # is in your profile at the time of course completion. Please note, it may take up to 24 hours for CE Broker to post your hours in their system. If you don't see your hours there, please contact our office.



**QUESTION:** I added my Florida license number after I completed my courses. Will my courses automatically be reported?

**ANSWER:** No. If you were licensed prior to course completion but added your license # after course completion, you will need to contact our office so we can manually report your courses to CE Broker.

**QUESTION:** What is the length of access for the Subscription package?

**ANSWER:** 12 months for Individuals purchasing the package and 24 months for those purchasing as part of a group.

**QUESTION:** Are Combo Courses part of the Subscription package?

**ANSWER:** No. Combo Courses, Packages, and Textbooks are not part of the Subscription package.

**QUESTION:** What Courses are part of the Subscription package?

**ANSWER:** All Individual course titles are part of the Subscription package. You pay one price for access to all titles.

**QUESTION:** How do I print or save a Certificate of Completion?

**ANSWER:** All browsers are different so there may be multiple ways including: 1) Click the print button in the Adobe Reader. 2) Right Click on the document, then choose print, to print a hard copy OR "print to PDF" to save a PDF copy. 3) Alternatively on phones, you can do a screenshot and save it as an image file.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out the form.

LAST REVISED: 9/10/2021

## Individual Courses

Most titles are available for purchase as individual courses. Individual Lab CEU courses allow you to pick the titles and categories when you only need a few hours.



[Back to Index](#)

# Individual Course Titles

## Format Available:

\* All courses are online \* You get both reading material & quiz \*



- ✓ Course material is delivered as a PDF or PowerPoint.
- ✓ Quiz questions are answered online.

## INDIVIDUAL COURSES AT A GLANCE:

### GENERAL

- ✓ Individual courses are perfect if you only need a few courses or a few contact hours.
- ✓ You can select the titles and categories that you're interested in.
- ✓ This section contains BOTH individual courses AND packages (like courses grouped together).
- ✓ Individual courses are priced based on the number of contact hours.
- ✓ Individual titles must be completed within **3 months** of purchase.
- ✓ Home Study formats are not available; however, courses can be printed out to work offline.
- ✓ Share packages and Group Discounts are not available for Individual Courses.
- ✓ Combo Courses are not listed in this section, however, the individual course titles that make up the Combo Courses are listed if you're just looking for a few of those titles.

### COMPLETING COURSES

- ✓ Course material is accessed online through the "My Courses" link in your online profile.
- ✓ You can print out 1 copy of the online reading material to read offline.
- ✓ You can save the reading material for future reference – save **before** completing quiz.
- ✓ You can print out a copy of the final quiz questions to circle off your answers while reading.
- ✓ Quiz answers are entered online, and grading is immediate with correct & incorrect marked.
- ✓ Print your certificate immediately from your "Course History"

### FLORIDA LICENSEES

- ✓ Order your Florida Mandatory or Florida Mandatory Course Packages from this section.
- ✓ We report to CE Broker immediately, when you have a FL license # in your profile at the time of course completion.







# Individual Courses

Most titles are available for purchase as individual courses. Individual Lab CEU courses allow you to pick the titles and categories when you may only need a few hours.



## Formats Available:

\* Group discounts are not available for Individual Courses.

### Online Complete



See each course for price.

- Only need a few contact hours?
- Select the titles and categories that you're interested in.
- This section contains single course titles and Packages that contain titles within the same category.
- Individual titles must be completed within **3 months** of purchase.

Our Course categories are listed in alphabetical order. This list shows titles actively available, as well as courses that are in the final stages of Review, and those Pending that will be available within 6 months.

## Individual Course List:

All individual courses must be completed with 3 months of purchase.

## BLOOD BANKING

- - The Blood Banking category contains courses that focus on blood donors, blood donation, and donor processing. Also see the Immunohematology category for general Immunochem. topics.

### Blood Component Processing, Storage, Special Prep, and Labelling

\$15

#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** BB002  
**CONTENT PAGES:** 17  
**QUIZ QUESTIONS:** 17

#### SUMMARY:

- Benefits of component therapy vs administration of whole blood
- List the various anticoagulant / preservatives in use today
- Describe the features of the standard collection bag configuration
- Describe component characteristics: shelf life, chemical changes, etc
- Describe AABB requirements: QC regs, temperature, equipment, etc
- And more...Labelling, irradiation, special proc., plasma derivatives, etc.



Blood Banking

# Individual Courses

## CHEMISTRY CATEGORY

### CASE REPORT: Postpartum Acute Fatty Liver of Pregnancy

**NEW**

**\$15**

#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C032  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls the brief background of AFLP.
- Recalls the patient's status at the birth.
- Lists the treatments that the patient received.
- Reviews the Symptom and Lab Results for the patient



### Wilson Disease Review

**IN REVIEW**

**TBD**



#### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C033  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

#### SUMMARY:

- Recall the background of Wilson Disease (WD).
- Recall the cause and clinical manifestations of WD.
- Discuss the laboratory values seen in WD.

### Calcium, Phosphorus, and Magnesium Disorders

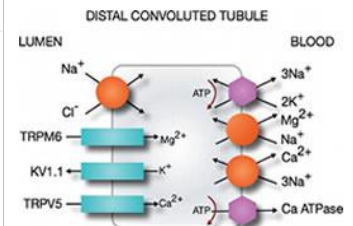
**\$21**

#### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** C030  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 20

#### SUMMARY:

- List disorders that can cause hyperkalemia
- List various agents that can cause hyperkalemia
- How to make the diagnosis of hyperkalemia
- Medications used to treat hyperkalemia



### Classification and Diagnosis of Diabetes

**\$15**

Blood Test Levels for Diagnosis of Diabetes and Prediabetes

|             | A1C (percent) | Fasting Plasma Glucose (mg/dL) | Oral Glucose Tolerance Test (mg/dL) |
|-------------|---------------|--------------------------------|-------------------------------------|
| Diabetes    | 6.5 or above  | 126 or above                   | 200 or above                        |
| Prediabetes | 5.7 to 6.4    | 100 to 125                     | 140 to 199                          |
| Normal      | About 5       | 99 or below                    | 139 or below                        |

Definitions: mg = milligram, dL = deciliter  
 For all three tests, within the prediabetes range, the higher the test result, the greater the risk of diabetes.

#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C024  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 16

#### SUMMARY:

- Explain what diabetes is.
- List the different classifications of diabetes.
- Discuss the genetics involved in diabetes.
- Identify who should be tested for diabetes.
- List the tests used to diagnose diabetes
- Recall the expected results for testing

# Individual Courses

## Hyperkalemia

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C027  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- List disorders that can cause hyperkalemia
- List various agents that can cause hyperkalemia
- How to make the diagnosis of hyperkalemia
- Medications used to treat hyperkalemia

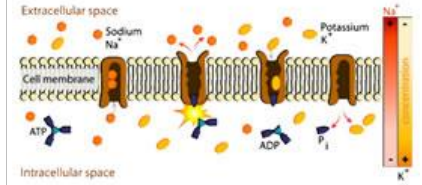
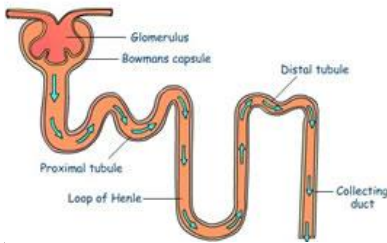


Figure 1: Sodium Potassium ATPase Pump

## Hyponatremia

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C026  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Recall the pathophysiology of hyponatremia.
- List the main hyponatremic disorders.
- Treatment options for hyponatremia and their outcomes.

## Mass Spectrometry and its Role in Clinical Diagnostics

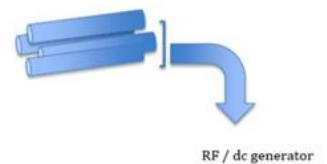
\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C023  
**CONTENT PAGES:** 13 (many pics)  
**QUIZ QUESTIONS:** 6

### SUMMARY:

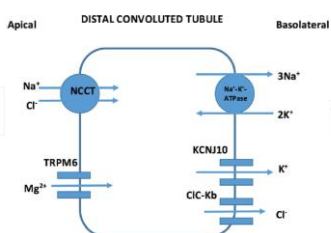
- Explain the principle of Mass Spectrometry
- Identify common ionization methods & Mass analyzers
- Explain how Quadrupole works
- Identify common analytes that use Mass Spectrometry



## Metabolic Alkalosis

PENDING

TBD



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** TBD  
**COURSE CODE:** C029  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.
- Check back within 6 months.

# Individual Courses

## The Steroid Hormone Cascade

\$15

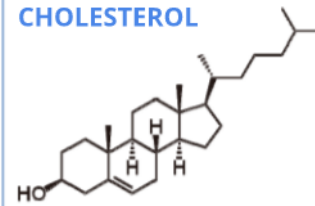
### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C018  
**CONTENT PAGES:** 21  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Summarize how hormones work: synthesis, effects, etc.
- Describe the role Cholesterol plays in the Hormone Pathway
- List the 5 major steroid hormone groups & ID the associated hormones.
- Explain the role each hormone plays in the body.
- Identify the enzymes that act on each hormone to convert it.
- Correlate a patient's lab results to hormonal disease states

### CHOLESTEROL



## Thyroid Hormone Excess

\$21



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** C021  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Recall clinical features of Graves' disease.
- Discuss pathogenesis of Graves' disease.
- List the clinical features of Graves' disease.
- Identify tests available to diagnose Graves' disease.
- List the treatment options available for Graves' disease.

## Urine Collection Methods: A Basic Review

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** C028  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Review the urinary tract and its major components.
- Review what can be determined by testing urine.
- List the different types of urine collection methods.
- Briefly review specimen labelling and specimen rejection.



**Urine Collection**

# CYTOGENETICS CATEGORY

## CASE REPORT: Cytogenetic & Genomic Analysis of a Turner Syndrome Patient

TBD



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG010  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....



# Individual Courses

## Case Studies in Cytogenetics-21

IN  
PROGRESS

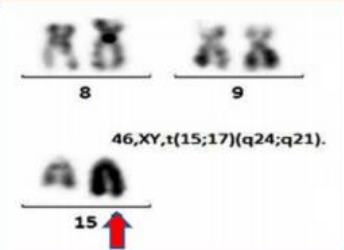
TBD

### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG011  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....



## Cytogenetics Package-19

\$32

### \* PACKAGE \*



### BASIC INFO:

**CONTACT HOURS:** 6  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** PKG-CYG003  
**CONTENT PAGES:** 35  
**QUIZ QUESTIONS:** 40

### SUMMARY:

- This Package is made up of three individual courses:
  - ✓ Double Aneuploidy in Down Syndrome.
  - ✓ New AML with Difficult Karyotype
  - ✓ Morphological Markers of Chromosome Instability
- \* Courses also available individually below.

## CASE STUDY: A New AML with Complex Karyotype

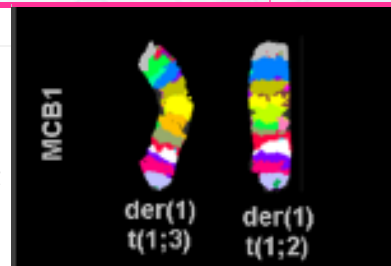
\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** CYG006  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls observable chromosome abnormalities in AML.
- Analyze the Case Study's laboratory results.
- Evaluates the entire course of the patient's treatment.
- Examine the conclusions made regarding this case report and associated findings.



## BRCA Mutations

\$28



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG003  
**CONTENT PAGES:** 35  
**QUIZ QUESTIONS:** 25

### SUMMARY:

- Describe the function of the BRCA gene.
- Recall who's at risk for carrying the BRCA genes.
- Evaluate the statistical probability of being a carrier.
- List the information assessed in the Gail Model.
- List the specimen types acceptable.
- Review the 6 possible results.

# Individual Courses

## Double Aneuploidy in Down Syndrome

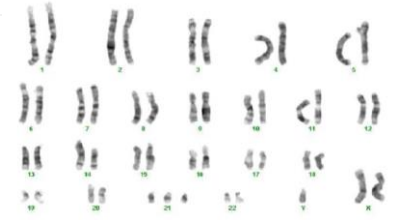
\$21

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG007  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 20

### SUMMARY:

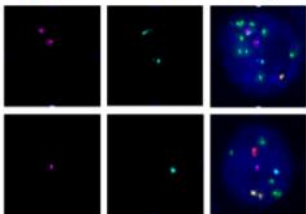
- Recalls the discovery of chromosomes & some of their major syndromes and clinical features.
- Reviews common double aneuploidies involving Chromosome 21 and autosomal chromosomes.
- Discusses double aneuploidies involving Chromosome 21 and sex chromosomes.
- Discusses specific chromosome abnormalities and conditions.



## FISH: An Increasingly Demanded Tool

\$15

p53 BRCA1 Merge



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Recalls a brief background of FISH.
- Discusses FISH's role in diagnosing hematological malignancies.
- Discusses FISH's role in diagnosing non-hematological malignancies in solid tumors.
- Briefly discusses the progress in FISH methodology.

## Morphological Markers of Chromosome Instability

\$10

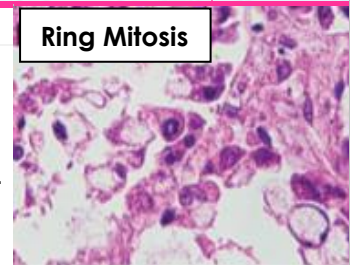
### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CYG008  
**CONTENT PAGES:** 5  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Defines chromosomal stability.
- Discusses mitotic figures & how they correlate with malignancy.
- Defines atypical mitosis.
- Discusses telomere dysfunction & its relation to carcinogenesis.
- Recalls the use of morphological markers in chromosome instability.

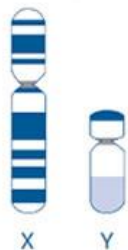
### Ring Mitosis



## X and Y Chromosome

\$10

X and Y Chromosomes



A Basic Review

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** CYG005  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Learn the background of the X Chromosome.
- Learn the health conditions related to X Chromosome changes.
- Learn the background of the Y Chromosome.
- Learn the health conditions related to Y Chromosome changes.

# Individual Courses

## CYTOLOGY CATEGORY

### Comparison Between Two Liquid-Based Brush Biopsy Collection Methods

TBD

#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY018  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

#### SUMMARY:

- Details To Follow.....

**IN  
REVIEW**



### Cytological Diagnosis of Bacterial Infections

**IN  
PROGRESS**

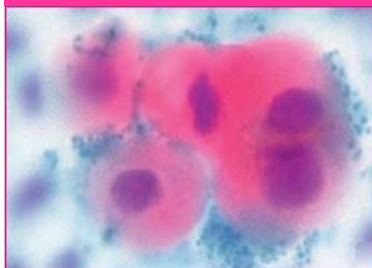
TBD

#### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY019  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

#### SUMMARY:

- Details To Follow.....



### Basics of Breast Cytology

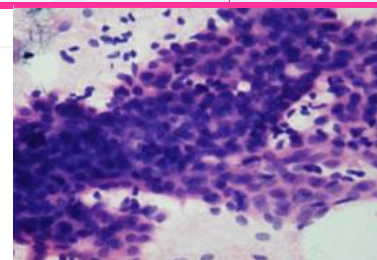
\$17.50

#### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY015  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 14

#### SUMMARY:

- Recalls the statistics of breast cancer.
- Describes Fine Needle Aspiration Cytology.
- Discusses core biopsy, its limitations, advantages, & techniques.
- Discusses the Prognostic Panel for Breast Tissue and how cytology can identify various disease states.



### Body Fluid Effusions: Identifying Benign vs. Malignant Cells

\$21

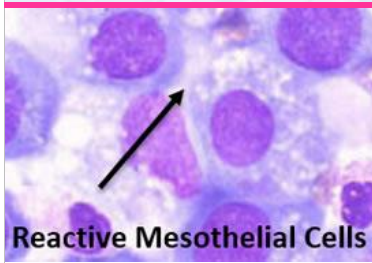
#### BASIC INFO:

**CONTACT HOURS:** 3 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY014  
**CONTENT PAGES:** 90 slides  
**QUIZ QUESTIONS:** 17

#### SUMMARY:

\* Provides 2 hrs. in Cytology and 1 hr. in Hematology

- Describes 3 types of effusions.
- Identifies the significance of WBCs in effusions.
- Discusses the gross appearance of serous fluids.
- Lists the differences of benign vs. malignant cellular features.
- Learn to identify benign vs. malignant cells in effusions.



# Individual Courses

## Case Studies in Cytology-19

\$10

### BASIC INFO:

**CONTACT HOURS:** 1

**COURSE LEVEL:** Intermediate

**COURSE CODE:** CY016

**CONTENT PAGES:** 6

**QUIZ QUESTIONS:** 9

### SUMMARY:

- This Package is made up of three short Case Studies:

- ✓ Disseminated Histoplasmosis & the Utility of Skin Scrapings
- ✓ Scar Site Metastasis of Renal Cell Carcinoma
- ✓ Neuroendocrine CA of the Colon Presenting as Acute Meningitis

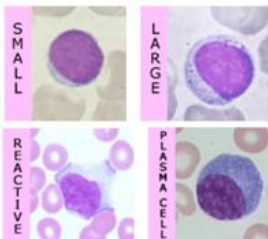
\* Course articles are not available individually.



## Review of Normal WBCs

\$10

Lymphocytes



### BASIC INFO:

**CONTACT HOURS:** 1

**COURSE LEVEL:** Intermediate

**COURSE CODE:** CY013

**CONTENT PAGES:** 14

**QUIZ QUESTIONS:** 11

### SUMMARY:

- Lists the 5 types of WBCs.
- Reviews a brief background on each WBC type.
- Discusses the causes of increased & decreased WBC values.
- Identifies what cell line each of the 5 WBCs come from.

## Nasal Cytology in Children

\$10

### BASIC INFO:

**CONTACT HOURS:** 1

**COURSE LEVEL:** Intermediate

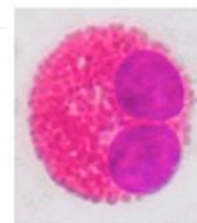
**COURSE CODE:** CYG012

**CONTENT PAGES:** 6

**QUIZ QUESTIONS:** 9

### SUMMARY:

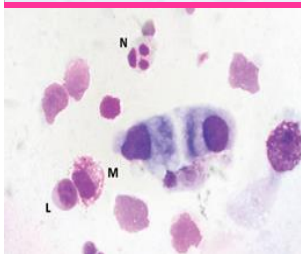
- Recalls the background of nasal cytology & what it can diagnose.
- Lists the steps for collection, staining, & review.
- Describes cytology seen in allergic & non-allergic rhinitis.
- Discusses the term “overlapped” rhinitis & possible treatments.
- Discusses why it’s desirable to perform nasal cytology in children



Eosinophil

## Use of Nasal Cytology in Diagnosing Sinonasal Disorders

\$15



### BASIC INFO:

**CONTACT HOURS:** 2

**COURSE LEVEL:** Intermediate

**COURSE CODE:** CYG017

**CONTENT PAGES:** 15

**QUIZ QUESTIONS:** 18

### SUMMARY:

- Discusses the structures and epithelia of the nasal and sinus cavities.
- Recalls the cytological examination methods used for the case studies reviewed in this course.
- Briefly analyzes the patient results from this review.
- Recalls the most common inflammatory cytotypes observed in sinonasal disorders.
- Recalls the details of each type of inflammatory disorder, including Neutrophilic, Eosinophilic, Mast Cell, and Mixed Cell rhinosinusitis.



# Individual Courses

## FLORIDA MANDATORY CATEGORY

### Florida – First Renewal Package

**\$18**

#### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FF021  
**COURSE SECTIONS:** 2  
**QUIZ QUESTIONS:** 18

#### SUMMARY:

- This Package provides the Laboratory requirements for your **FIRST RENEWAL CYCLE** only.
- Includes 2 Hour Medical Errors course.
- Includes 1 Hour HIV-AIDS Review course.



- Medical Errors
- HIV Update

**\* First Renewal Only**

### Florida – Initial Licensure Package

**\$10**



- 1 Hour /AIDS Update

**\* Initial Licensure \***

#### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FI021  
**CONTENT PAGES:** 16  
**QUIZ QUESTIONS:** 8

#### SUMMARY:

- This Package provides the Laboratory requirements for your **INITIAL LICENSURE** application only.
- Includes 1 Hour HIV-AIDS Review course.

### Florida – Mandatory Renewal Package

**\$22**

#### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FM021  
**COURSE SECTIONS:** 3  
**QUIZ QUESTIONS:** 24

#### SUMMARY:

- This Package provides the 3 Mandatory Laboratory requirements for your general **LICENSE RENEWAL**.
- Includes 2 Hour Medical Errors course.
- Includes 1 Hour HIV-AIDS Review course.
- Includes 1 Hour Florida Laws & Rules course.



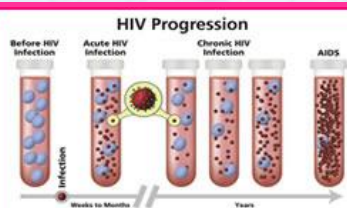
- Medical Errors
- HIV Update
- FL Laws & Rules

**\* License Renewal \***

### 1 Hour HIV-AIDS Review

**\* Also available as a 3 hour HIV/ AIDS course.**

**\$10**



**1 Hr. HIV/AIDS**

#### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FM-1HIV019  
**CONTENT PAGES:** 38  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.
- **The requirement is a minimum of 1 hour HIV-AIDS Review.**

# Individual Courses

## 3 Hour HIV-AIDS Review

\* Florida BCLP requires a minimum of 1 hour in the HIV/AIDS Category.

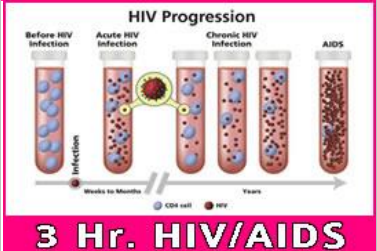
**\$17.50**

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** FM-3HIV019  
**CONTENT PAGES:** 3  
**QUIZ QUESTIONS:** 24  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.



## Florida Laws & Rules of the Board

**UPDATED**

**\$10**

FL Laws & Rules



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** LR021  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 6  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Briefly discusses Florida Law.
- Lists the general makeup of the Board of Clinical Lab Personnel (BCLP).
- Recalls the Laws that govern FL Clinical Lab.
- Recalls the Rules that govern FL Clinical Lab.

## Medical Errors and the Laboratory

**UPDATED**

**\$15**

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** ME021  
**COURSE SECTIONS:** 23  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls the role of different government agencies to reduce errors.
- Explains the different types of laboratory errors.
- Recalls The Joint Commission's (TJC) Sentinel Event policies.
- Recalls the process associated with Root Cause Analysis.
- Lists the National Patient Safety Goals.



# GENERAL CATEGORY

## HUMAN TRAFFICKING

\* This course has CE Broker credits, but NOT ASCLS PACE credits.

**\$10**

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** HT020  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recall what Human Trafficking is, discussing who are the victims are.
- Discuss the scope of Human Trafficking both globally and in the U.S.
- List the types of Human Trafficking.
- List the general and physical signs that indicate human trafficking.
- Discuss how to find the social services available for Human Trafficking.
- Recall how to report suspected Human Trafficking.



# Individual Courses

## IMPAIRMENT IN THE WORKPLACE

**NEW**

**\$15**



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** RI020  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Discuss the basics of Substance Use Disorder (SUD).
- Recall Common Substance Use Terminology.
- Discuss reasons & risk factors for SUD, recalling stages of addiction.
- Recall the signs of workplace impairment.
- Define drug diversion and how to prevent it.
- Discuss proper steps for handling a workplace impairment incident.
- List the most common treatment options and return to work requirements.

## HEMATOLOGY CATEGORY

### CASE REPORT: Postpartum TTP

**NEW**

**\$15**



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H032  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recall the brief background of Thrombotic Thrombocytopenia.
- Recall the patient's medical history before the episode of TTP.
- Discuss the medical presentation of TTP in this case and list the treatments the patient received.
- Review and discuss the patient's lab results during her illness.

## A REVIEW OF BENZENE AND THE HEMATOLOGICAL SYSTEM

**\$10**



### BASIC INFO:

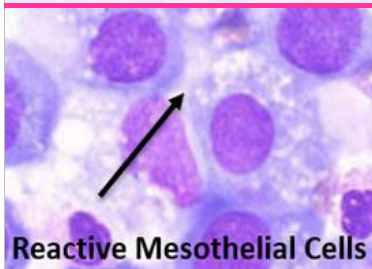
**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H029  
**CONTENT PAGES:** 4  
**QUIZ QUESTIONS:** 6

### SUMMARY:

- Briefly discusses Benzene, including the common routes of exposure.
- Discusses different hematological disease states and how they're affected by Benzene.
- Discusses safety policies, levels of exposure, and risk assessment associated with Benzene exposure.
- Discusses low level exposures to Benzene, recalling genetic and chromosomal change that may occur.

## Body Fluid Effusions: Identifying Benign vs. Malignant Cells | [Order from Cytology Category](#)

**\$21**



### BASIC INFO:

**CONTACT HOURS:** 3 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** CY014  
**CONTENT PAGES:** 90 slides  
**QUIZ QUESTIONS:** 17

### SUMMARY:

- \* Provides 2 hrs. in Cytology and 1 hr. in Hematology
- Describes 3 types of effusions.
- Identifies the significance of WBCs in effusions.
- Discusses the gross appearance of serous fluids.
- Lists the differences of benign vs. malignant cellular features.
- Learn to identify benign vs. malignant cells in effusions.

# Individual Courses

## Case Studies in Hematology

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H021  
**COURSE ARTICLES:** 4  
**QUIZ QUESTIONS:** 14

### SUMMARY:

Includes the following titles:

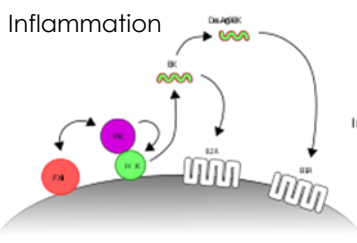
- Leukemoid Reaction in Patient with Lung Adenocarcinoma.
- Anemia Secondary to Valproic Acid Therapy.
- Pancytopenia Associated with Clonazepam.
- Human Parvovirus B19 Infection in Transplant Patient.



## Contact Pathway of Coagulation and Inflammation

\$15

### Inflammation



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** H027  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Describes what the Contact System is.
- Discusses the Assembly-based activation of the Contact System.
- Discusses how the Contact System is involved in activation of the Intrinsic Pathway.
- Discusses how the Contact System is involved in inflammation and autoimmune disease.

## Factor XIII Review

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H023  
**CONTENT PAGES:** 17  
**QUIZ QUESTIONS:** 10

### SUMMARY:

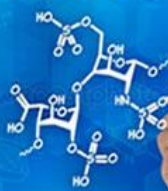
- Describes primary & secondary hemostasis.
- Recalls details of the coagulation cascade.
- Lists the coag. factors in the intrinsic, extrinsic & common pathways.
- Recalls the history, structure, epidemiology, etc. of Factor XIII.
- Lists the laboratory tests available for Factor XIII.
- Discusses the Factor XIII case study & associated discussion points



## Heparin Induced Thrombocytopenia

\$15

### HEPARIN



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H028  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 14

### SUMMARY:

- Names the 2 types of heparin, recalling properties of each.
- Describes the mechanism of action for heparin.
- Discusses clinical assessment of HIT & how/when it occurs.
- Lists the tests used for diagnosis of HIT.
- Lists the alternative treatments for HIT.

# Individual Courses

## Myelodysplastic Syndrome Review

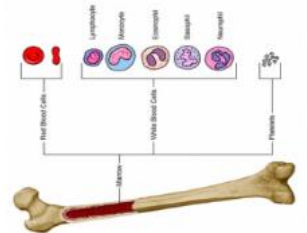
\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H022  
**CONTENT SLIDES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Explain the Epidemiology of Myelodysplastic Syndrome (MDS).
- Recall the signs and symptoms & pathological findings of MDS.
- Discusses the peripheral blood in MDS patients.
- Discusses the bone marrow in MDS patients.
- Lists the treatment options available for MDS patients.
- Recalls the prognosis for patients with MDS.



## Overview of Pediatric Hematology

\$12.50



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H028  
**CONTENT SLIDES:** 35  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls the changing sites of hematopoiesis in developing humans and the relevant progenitor cells.
- Recognizes the clinical presentations of select and clinical presentations of select pediatric anemias.

## Platelets: A Basic Review

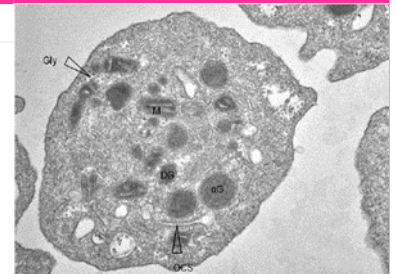
\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H029  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 8

### SUMMARY:

- Briefly discusses how platelets are formed from Megakaryocytes.
- Recalls the functional properties of platelets and the Zones that make up their structure.
- Describes the Alpha Granules, recalling their function.
- Describes the Dense Granules, recalling their function.
- Describes the Lysosomes, recalling their function.
- Briefly discusses Autologous Platelet Rich Plasma.

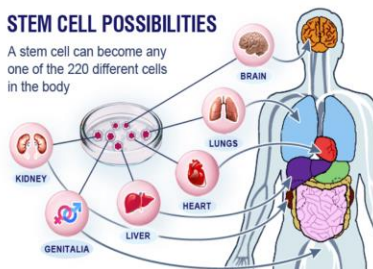


## Stem Cell Basics

\$15

### STEM CELL POSSIBILITIES

A stem cell can become any one of the 220 different cells in the body



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H019  
**CONTENT PAGES:** 17 + glossary  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Defines a stem cell.
- Recalls the properties unique to all stem cells.
- Discusses what an Embryonic Stem Cell is and what an Adult Stem Cell, defining features and tests of each.
- Lists similarities between Embryonic and Adult Stem Cells.
- Defines what a Pluripotent Stem Cell is.
- Defines glossary terms associated with stem cells.

# Individual Courses

## Understanding Components of the CBC

\$28

### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H020  
**CONTENT PAGES:** 57  
**QUIZ QUESTIONS:** 22

### SUMMARY:

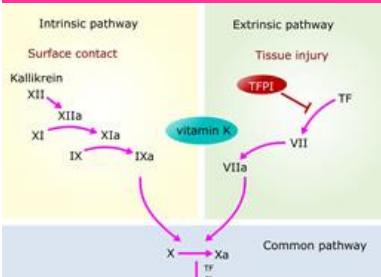
- Recalls the composition of blood
- Lists the normal values for RBC & RBC indices and lists reasons for abnormal values.
- Lists normal values for WBC counts and lists reasons for abnormal values.
- Lists normal values for Platelets and causes for abnormal values

### RED BLOOD CELLS



## Understanding Hemostasis and Basic Coagulation Testing

\$12.50



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H025  
**CONTENT SLIDES:** 34  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Summarizes the process of coagulation.
- Reviews hemostasis physiology to understand the coagulation assays.
- Distinguishes between lab coagulation assays.
- Discusses the major natural inhibitor pathways of coagulation initiation.
- Diagnoses basic disorders of hemostasis given commonly used laboratory assay values.

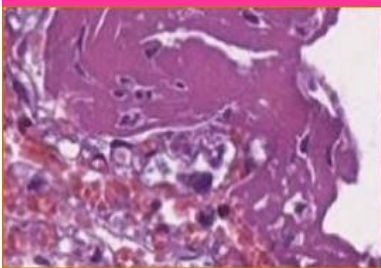
## HISTOLOGY CATEGORY

- - Also see the Immunohistochemistry category for IHC and Advanced Histology topics.

## Gross & Histopathology of COVID-19 Autopsy Specimens



\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H045  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Discuss the brief background of the COVID patients in this case report.
- Recall the pulmonary histopathology of the COVID + specimens.
- Recall the olfactory bulb histopathology of the COVID positive specimens.
- Recall the renal histopathology of the COVID positive specimens.

## Histology of the Human Placenta



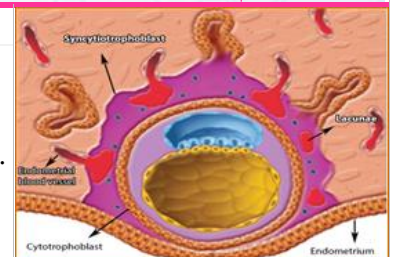
\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H047  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 12  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Describe placental development.
- Recall the details of the placental villous tree.
- Recall the role of placental histology in clinical practice.

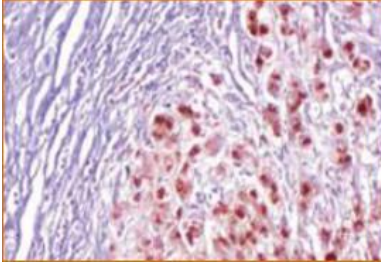


# Individual Courses

## Histopathology of Wilsons Disease

**NEW**

**\$21**



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H046  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 15  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recall the background of Wilson Disease (WD).
- Recall the cause and clinical manifestations of WD.
- Discuss the laboratory values seen in WD.
- Recall the histopathology and histochemistry of WD.

## Artifacts in Histopathology: A Potential Cause of Misinterpretation

**\$15**

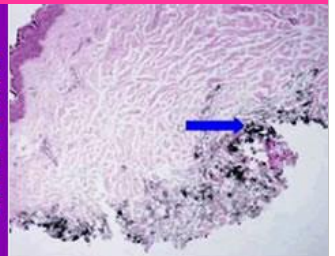
### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H035  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Identify the different types of artifacts encountered in Histology specimens.
- Discusses pre-fixation artifacts, from tattoo pigment, surgery, and contamination.
- Discusses artifacts encountered in specimen processing, fixation, cutting, staining, mounting, and microscopy.

Artifacts



## Estrogen and Cancer: Understanding Estrogen Receptors

**\$12.50**



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H033  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Defines what estrogens are and what tissues they target.
- Explains estrogen receptors & how they trigger gene activation.
- Recalls estrogen's effects on cell changes & cell proliferation.
- Discusses how estrogen can trigger cancer.
- Explains how anti-estrogen and SERMS work.

## Histological Changes of the Placenta in Diabetes

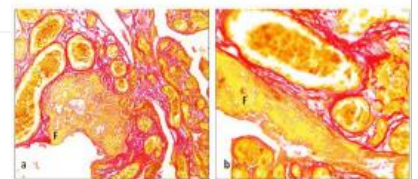
**\$12.50**

### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H030  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Describes the placenta recalling its normal pathology.
- Describes the method of placental tissue prep & staining.
- Discusses the differences seen between the diabetic & normal placental tissue.
- Recalls the different staining patterns for each type of stain.
- Recalls the histopathological differences: normal / diabetic.



**DIABETIC PLACENTA**

# Individual Courses

## Histological Stains: A Literature Review and Case Study

\$10

Histo Stains



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H042  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Recalls specific aspects of Histopathology, including staining, fixation, gross & micro exams, advanced Histo. techniques, etc.
- Discusses literature review of historical staining techniques and important histological stains – both past & present.
- Reviews two case studies discussing staining methods.

## Histology Microtechniques

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H044  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 15

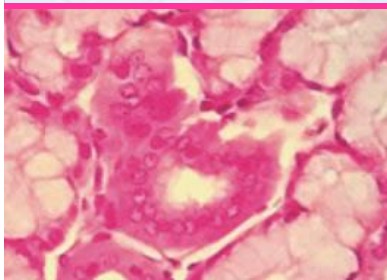
### SUMMARY:

- Discusses techniques associated with histology, including: tissue preparation, fixation & their types and classification, microwave irradiation, decalcifying agents, dehydration, clearing and embedding.
- Discusses microtomy, including: the cryostat, microtome knives, section thickness, etc.



## Histology of Normal Tissues

\$24.50



### BASIC INFO:

**CONTACT HOURS:** 3.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H041  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 19

### SUMMARY:

- Recalls the background of histology.
- Describes and discusses epithelial tissue.
- Describes and discusses connective tissue.
- Describes and discusses muscle tissue.
- Describes and discusses nervous tissue & the nervous system.

## Histology Stains: A Historical Review

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H036  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Discusses specific aspects of Histopathology: staining fixation, and gross & micro review.
- Lists some advanced histological stains.
- Lists the international regulating bodies for the control & standardization of biological staining methods.
- Recalls the history of staining techniques.
- Lists some of the stains that have been used in both past & present.
- Lists staining procedures developed more recently.





# Individual Courses

## Microwave Assisted Tissue Preparation

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H038  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Recalls the background of microwave application in histology.
- Discusses the various applications of microwave use for: tissue fixation, fixation of cultured cells, decalcification, immunohistochemistry, immunofluorescence, antigen retrieval, fatty tissues, cryosectioning, and special staining.

## Pathology of Breast Diseases

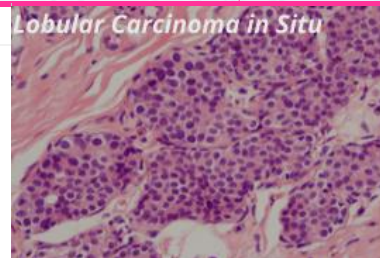
\$21

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H037  
**CONTENT PAGES:** 28  
**QUIZ QUESTIONS:** 15

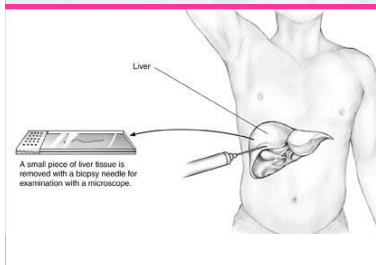
### SUMMARY:

- Discusses the impact that histopathology plays in treatment.
- Compares the different types of tissue collection methods.
- Explains the different chemical testing that can be done on breast biopsies, such as, estrogen, progesterone, and HER2 status.
- Compares 9 benign breast lesions listed in the article.
- Discusses breast neoplasms.
- Recalls the basics of breast cancer & compares 20 types in article.



## Principles of the Liver Biopsy Procedure

\$10



### BASIC INFO:

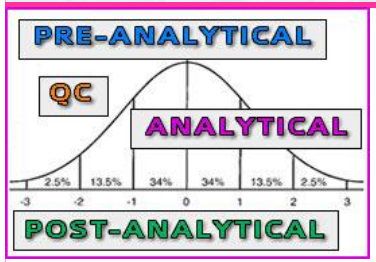
**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H027  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Compares the different types of liver biopsy.
- Lists the testing & other factors considered before biopsy.
- Describes and discusses connective tissue. Lists disease states where biopsy may be performed.
- Recalls blood testing that's performed within 24 hrs. of biopsy.
- Explains how the patient is prepped for biopsy.

## The Role of Technical QC in Histology Laboratories

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H043  
**CONTENT PAGES:** 4  
**QUIZ QUESTIONS:** 8

### SUMMARY:

- Defines Quality Management.
- Discusses Risk Analysis and Evaluation.
- Discusses the role of Technical Quality Control and its role in Histology Laboratories.
- Discusses Quality Assurance and the three phases.

# Individual Courses

## Understanding Angiogenesis

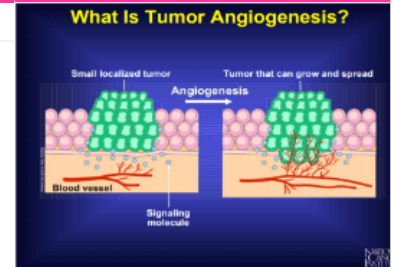
\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H032  
**CONTENT "SLIDES":** 28  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Defines metastasis, angiogenesis, and tumor angiogenesis, describing how they occur in relation to cancer.
- Recalls where angiogenesis occurs normally in the body.
- Describes how angiogenesis is regulated and how it affects tumor growth.
- Lists the molecules and proteins that can activate angiogenesis.
- Lists the proteins that inhibit angiogenesis.
- Discusses drugs that block angiogenesis.



## Understanding Cancers of Childhood – PART I

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H022  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Analyzes basic statistics associated with childhood cancers.
- Lists various types of childhood head and neck cancers.
- Recalls risk factors, histology, etc. for nasopharyngeal cancers.
- Discusses childhood Esthesioneuroblastomas.
- Recalls histology, presentation, evaluation, & treatment for thyroid tumors.
- Discusses salivary gland tumors, laryngeal cancers & more.

## Understanding Cancers of Childhood – PART II

\$28

### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** H024  
**CONTENT PAGES:** 33  
**QUIZ QUESTIONS:** 24

### SUMMARY:

- Lists various types of thoracic cancers.
- Discusses details, statistics of breast, lung, bronchial, mesothelioma, etc.
- Lists various types of abdominal tumors.
- Incidence, risk factors, etc. of adrenal cortex, colorectal & GIST tumors.
- Lists various genital & urinary tumors and their statistical incidence.
- Lists the various other types of rare cancers seen in childhood, including MEN, pheochromocytoma, and melanoma.



## IMMUNOHEMATOLOGY CATEGORY

- - Also see the Blood Banking category for additional topics.

## Umbilical Cord Blood Collection & Banking

NEW

### BASIC INFO:

**CONTACT HOURS:** 2 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH018  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 5  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- \* Provides 1 hr Immunohematology & 1 hr Blood Banking
- Briefly define umbilical cord blood.
- Briefly recall the uses, statistics, and regulation of umbilical cord blood.
- Recall the pre-birth collection decisions for the parents.



# Individual Courses

## Blood Safety

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH015  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Identifies the role each public agency plays in blood safety.
- Lists documents used to screen blood donors.
- Lists adverse reactions that can happen from transfusion.
- Lists infectious organisms that can affect the blood supply.
- Lists tests that the FDA states are mandatory for screening.
- **This course overlaps with Transfusion Transmitted Infections**

## Case Study: Alloantibody Causing Blood Type Conflict in Pregnant Female

\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH018  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 5

### SUMMARY:

- Discusses the process of determining ABO/Rh of the patient in this case study.
- Recalls the process of performing antibody detection on the patient in this case study.
- Interprets the results for the patient in this case study.



## Mini Reviews in Immunohematology-19

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IH020  
**CONTENT PAGES:** 5  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- This Package is made up of three short articles:
  - ✓ Implications of HLA in TRALI and Platelet Refractoriness
  - ✓ Early vs. Delayed Transfusion in Cirrhotic Patients
  - ✓ Zoonotic Babesiosis – A Growing Concern in Transfusion
- \* Course articles are not available individually.

## Risks, Complications, and Reactions Associated with Transfusions

\$15

### BASIC INFO:

**CONTACT HOURS:** 2 \*  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** H016  
**CONTENT PAGES:** 24  
**QUIZ QUESTIONS:** 13

### SUMMARY:

- Discusses the current trends in blood safety.
- Describes causes & presentation of allergic reactions.
- Identifies cause of hypotensive transfusion reaction.
- Lists various complications from massive transfusion.
- Describes causes & presentation of post transfusion purpura.
- Describes the causes of TACO, TAD, TAGvHD, TRALI, and TRIM.
- Identifies causes of transfusion transmitted infections (TTI)
- **Provides 1 hour in Immunohematology & 1 hour in Blood Banking**



# Individual Courses

## Transfusion Transmitted Infections

\$15



### BASIC INFO:

**CONTACT HOURS:** 2 \*

**COURSE LEVEL:** Intermediate

**COURSE CODE:** H019

**CONTENT PAGES:** 15

**QUIZ QUESTIONS:** 12

### SUMMARY:

- Lists the bacterial organisms associated with TTIs.
- Lists the parasitic diseases associated with TTIs and testing methods.
- Lists the spirochetes associated with TTIs and testing methods.
- Lists the viral diseases associated with TTIs and testing methods.
- Provides 1 hour in Immunohematology & 1 hour in Blood Banking

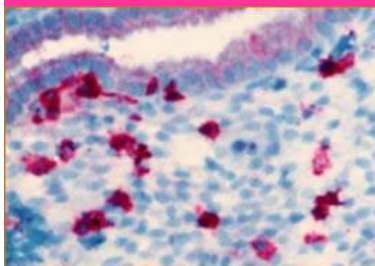
## IMMUNOHISTOCHEMISTRY CATEGORY

- - Also see the Histology category for additional topics.

## A Short Review of Immunohistochemistry

NEW

\$15



### BASIC INFO:

**CONTACT HOURS:** 2

**COURSE LEVEL:** Intermediate

**COURSE CODE:** IHC008

**CONTENT PAGES:** 25

**QUIZ QUESTIONS:** 10

**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Defines what estrogens are and what tissues they target.
- Explains estrogen receptors & how they trigger gene activation.
- Recalls estrogen's effects on cell changes & cell proliferation.
- Discusses how estrogen can trigger cancer.
- Explains how anti-estrogen and SERMS work.

## CASE REPORT: 3rd Trimester Placental Pathology in COVID Positive Women

\$21

### BASIC INFO:

**CONTACT HOURS:** 3

**COURSE LEVEL:** Intermediate

**COURSE CODE:** IHC009

**CONTENT PAGES:** 6

**QUIZ QUESTIONS:** 10

**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

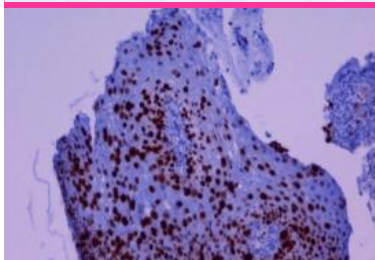
- Describes the placenta recalling its normal pathology.
- Describes the method of placental tissue prep & staining.
- Discusses the differences seen between the diabetic & normal placental tissue.
- Recalls the different staining patterns for each type of stain.
- Recalls the histopathological differences: normal / diabetic.

NEW



## Ancillary Techniques in Histopathologic Diagnosis of Cervical SIL & GIL

\$21



### BASIC INFO:

**CONTACT HOURS:** 3

**COURSE LEVEL:** Intermediate

**COURSE CODE:** HI034

**CONTENT PAGES:** 21

**QUIZ QUESTIONS:** 20

### SUMMARY:

- Discusses HPV induced cervical cancer.
- Discusses precursor lesions of cervical carcinoma.
- Discusses role HPV plays in carcinogenesis and the actions between oncoproteins and their cellular target proteins.
- Lists IHC stains used in the diagnosis of cervical lesions.
- Discusses detection of HPV through in Situ Hybridization

# Individual Courses

## Antigen Retrieval for Light & Electron Microscopy

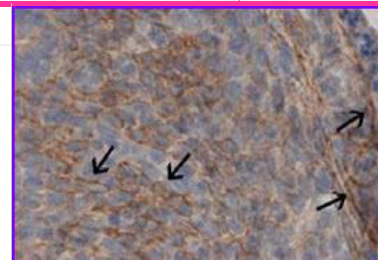
\$21

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** IHC006  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 12

### SUMMARY:

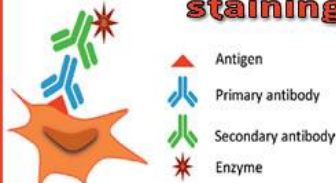
- Briefly discusses antigen-antibody reactions.
- Discusses the different mechanisms of chemical fixation.
- Recalls the mechanisms of Heat Induced Antigen Retrieval.
- Discusses HIAR as it applies to immunoelectron microscopy.
- Describes the effects of diluents on antibodies in IHC.



## Detection Systems in Immunohistochemistry

\$21

### Indirect Immunostaining



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** IHC007  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Describes Direct Detection Methods, recalling when they're used.
- Describes Indirect Methods, recalling when they're typically used.
- Discusses the Bridge Methods in IHC.
- Discusses the Biotin-Avidin/Streptavidin-Based Methods, listing the types.
- Discusses Polymer-Based Methods in IHC.
- Discusses Tyramide-Based Signal Amplification Methods in IHC.
- Discusses Rolling Circle Amplification Methods in IHC.

## Electron Microscopy of Liver Biopsies

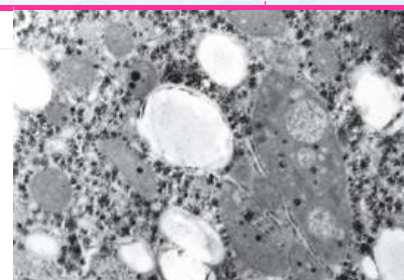
\$28

### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI029  
**CONTENT PAGES:** 24  
**QUIZ QUESTIONS:** 20

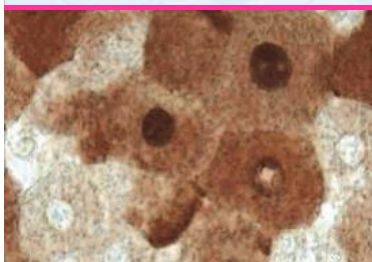
### SUMMARY:

- Discusses general features of the liver biopsy.
- Describes organelle pathology.
- Lists inborn lysosomal and metabolic diseases.
- Discusses infections and infestations.
- Lists different drugs and their hepatotoxicity.



## Immunohistochemistry for Chronic Hepatitis Diagnosis

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI031  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Discusses Hepatitis B virus (HBV) and Hepatitis C virus (HCV).
- Discusses HBV, HCV, Hepatitis Delta antigens.
- Discusses viral hepatitis antigen detection with visual examples.

# Individual Courses

## Immunohistochemistry in Breast Pathology

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Advanced  
**COURSE CODE:** HI040  
**CONTENT PAGES:** 16  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the background of IHC in breast pathology.
- Recalls the steps involved in IHC of the breast.
- Discusses quality control in IHC.
- Discusses prognostic & predictive roles of ER, PR, & Her-2 neu.
- Recalls the technical aspects in preanalytic, analytic, & postanalytic testing.



## Immunohistochemistry in Cervical Cancer

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** HI039  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Recalls the background of cervical cancer.
- Identifies the precursor lesions of squamous cell carcinoma.
- Discusses how IHC can identify cervical squamous cell carcinoma.
- Identifies the markers linked to tumor metastasis.
- Discusses markers that may predict response to chemotherapy.

## MANAGEMENT / SUPERVISION CATEGORY

## Understanding HIPAA

NEW

\$21



### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU029  
**CONTENT SLIDES:** 63  
**QUIZ QUESTIONS:** 12  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls what HIPAA is and who must comply.
- Recalls the various rules associated with HIPAA.
- Explains how the Privacy & Security Rules affect PHI.
- List the Physical, Administrative, & Technical Safeguards of HIPAA.
- Recall what happens if a HIPAA Breach occurs & associated fines.
- List the types of breaches that HHS tracks.

## Assay Validations: Make Sure You Do It Right the First Time

\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** SU023  
**CONTENT SLIDES:** 29  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Lists the necessary steps to validate a new assay.
- Lists considerations when choosing a new clinical assay.
- Defines accuracy vs. precision.
- Reviews correlation.
- Reviews reference range determination.
- Discusses interference studies.
- Discusses special validation considerations



# Individual Courses

## Basic Quality Control Review

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU019  
**CONTENT PAGES:** 11.5  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Lists the purpose of QA, listing factors that QA monitors.
- Defines Quality Control (QC) and discusses quality control material.
- Lists the CLIA policy requirements for a good QC program.
- Compares and contrasts Random and Systematic errors.
- Defines how mean and standard deviation are used in QC.
- Guides interpretation of QC results using the Westgard Rules.

## CLIA: A Brief Overview

\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU025  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 6

### SUMMARY:

- Recalls who CLIA is.
- Discusses the steps for enrolling in a CLIA program.
- Lists the types of CLIA Certificates, explaining each type.
- Briefly discusses when Proficiency Testing must be performed.
- Recalls Test Method Categorization, listing the levels of complexity.



## Employee Files: Don't Get Lost in the Paperwork

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU022  
**CONTENT SLIDES:** 25  
**QUIZ QUESTIONS:** 5

### SUMMARY:

- Identifies the pre- and post-hire education that must be documented on each laboratory employee.
- Describes annual education requirements for laboratory staff.
- Describes competency assessment requirements and their frequency.
- Specifies items that need to be documented for employee disciplinary action.

## Prevention of Medical Errors in Healthcare | Florida Licensees see FL Mandatory Category

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** ME021  
**COURSE SECTIONS:** 23  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls the role of different government agencies to reduce errors.
- Explains the different types of laboratory errors.
- Recalls The Joint Commission's (TJC) Sentinel Event policies.
- Recalls the process associated with Root Cause Analysis.
- Lists the National Patient Safety Goals.



# Individual Courses

## Proficiency Testing: FAQ Basics

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU024  
**CONTENT SLIDES:** 47  
**QUIZ QUESTIONS:** 16

### SUMMARY:

- Lists the agencies involved in CLIA and Proficiency Testing (PT).
- Defines what Proficiency Testing is and when it should be performed.
- Lists what you need to know about Proficiency Testing enrollment.
- Discusses the importance of Proficiency Testing & need for result privacy.
- Discusses what happens when your lab receives unsuccessful or failing PT.
- Recalls the list of Non-Waived analytes that require Proficiency Testing.

## MICROBIOLOGY CATEGORY

### Antibiotic Resistance: Review of Serious Threats

NEW

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M032  
**CONTENT PAGES:** 24 (many pics)  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- List the current serious antibiotic resistant threats.
- Recall important information you need to know about each organism, such as how it's spread, who may be at risk, etc.
- Recall the resistance profile over time for each organism.



### Coronavirus Disease: COVID-19

NEW

\$21

**CORONAVIRUS DISEASE**  
**COVID-19**

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M030  
**CONTENT PAGES:** 32  
**QUIZ QUESTIONS:** 21  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- History, classification, lifecycle, & clinical presentation of coronaviruses
- List the seven human coronaviruses.
- Recall the name evolution of COVID-19 & epidemiology factors.
- Describe the clinical presentation for COVID-19.
- Recall how COVID-19 is diagnosed and treated.
- Recall how the Public Health System manages this virus.

### Cytological Diagnosis of Bacterial Infections | [Order from Cytology Category](#)

TBD

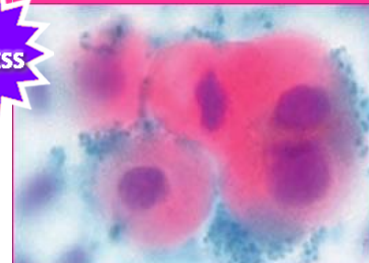
### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** TBD  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....
- **This course will have hours split between Microbiology & Cytology**

IN  
 PROGRESS



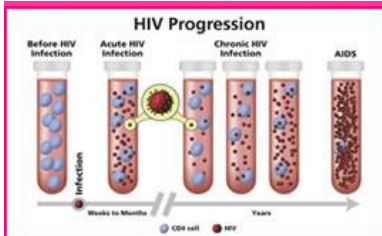


# Individual Courses

## 1 Hour HIV-AIDS Review

Florida Licensees see FL Mandatory Category

\$10



1 Hr. HIV/AIDS

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** 1HIV019  
**CONTENT PAGES:** 38  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.

## 3 Hour HIV-AIDS Review

Florida Licensees see FL Mandatory Category

\$17.50

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Basic  
**COURSE CODE:** 3HIV019  
**CONTENT PAGES:** 3  
**QUIZ QUESTIONS:** 24  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

- Recalls a brief background on HIV-AIDS, explains what they are, and how HIV causes AIDS.
- Describes the Biology, structure, & replication cycle of HIV.
- Lists the HIV risk factors & symptoms of HIV-AIDS.
- Briefly discusses test methodologies.
- Lists the classes of drugs available for treatment.



3 Hr. HIV/AIDS

## Antibiotic Resistance: A Review of the Current Threats

EXPIRING

12/31/21

\$17.50



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M023  
**CONTENT PAGES:** 42 (many pics)  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the average number of annual antibiotic resistant infections.
- Describes how antibiotic resistance happens & how it's spread.
- Lists the three antibiotic resistance threat levels & what they mean.
- Identifies the bacteria listed in the Urgent, Serious, and Concerning threat categories, listing what each is resistant to.

## Bioterrorism: A Worldwide Threat

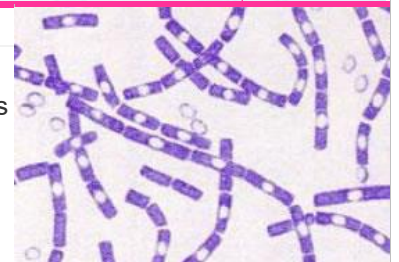
\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M025  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 12

### SUMMARY:

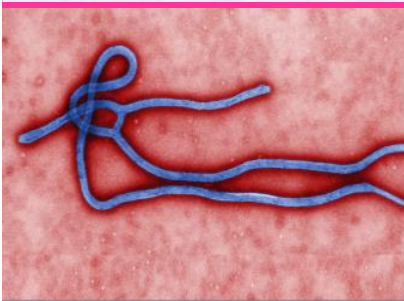
- Lists all the biological agents of terrorism.
- Discusses the background of each agent and recalls whether it's been used in a terror attack.
- Lists the chemical agents of terrorism.
- Discusses the chemical agents of terrorism, how they work, and whether they've been used in a terror attack.



# Individual Courses

## Ebola Review for the Laboratory

BEING  
UPDATED



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** SU022  
**CONTENT SLIDES:** 25  
**QUIZ QUESTIONS:** 25

### SUMMARY:

- Currently being updated. Check back in 2022.

## Microbiology of Ventilator Associated Pneumonia

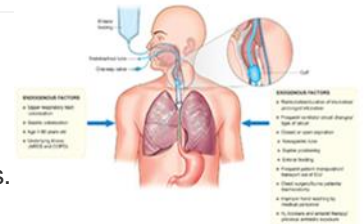
\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M029  
**COURSE PAGES:** 14  
**QUIZ QUESTIONS:** 18

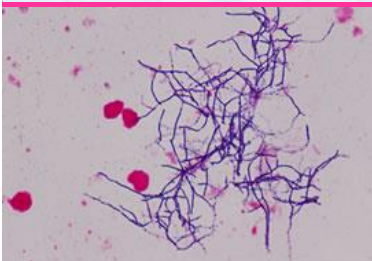
### SUMMARY:

- Discusses the background for Ventilator Associated Pneumonia (VAP).
- Lists the risk factors associated with VAP.
- Discusses the most common organisms in VAP.
- Recalls the virulence of the major organisms involved in VAP.
- Recalls the antimicrobial susceptibility of the common organisms.
- Discusses the methods for laboratory diagnosis of VAP.



## Nocardiosis: Clinical and Pathological Aspects

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M026  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the Taxonomy and Epidemiology of Nocardia.
- Describes the microbiological profile of Nocardia.
- Discusses the clinical features of Nocardia.
- Briefly recalls the clinical features of Nocardia in immunocompromised patients.
- Lists the treatment options available for treating Nocardia.

## People, Pets, and Zoonoses | Complete this version before Dec 31, 2021

BEING  
UPDATED

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M018  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Identifies the term Zoonose, recalling who's at risk & prevention strategies.
- Lists the zoonotic diseases each type of animal can carry.
- Recalls general information about the most common bacterial, fungal, viral, and parasitic zoonoses, including transmission, symptoms, diagnosis, and treatment strategies.



# Individual Courses

## Sexually Transmitted Diseases

\$21

**STD**  
**SEXUALLY TRANSMITTED DISEASE**

**BASIC INFO:**

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M019  
**CONTENT PAGES:** 24  
**QUIZ QUESTIONS:** 15

**SUMMARY:**

- Identifies the infectious agents that cause STDs.
- Lists the organisms capable of causing genital ulcers & warts, urethritis, cervicitis, trichomonas, and vulvovaginal candida, describing the signs & symptoms, diagnosis, and treatment.
- Briefly discusses the causative agents for PID, epididymitis, and proctitis.
- Lists several ways to prevent STDs from occurring.

## Tickborne Illness Package



TBD

**BASIC INFO:**

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PKG-M021  
**COURSE PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

**SUMMARY:**

- This Package is made up of two individual courses:
  - ✓ Tickborne Illness: Vector Review
  - ✓ Tickborne Illness: Review of Diseases
- \* Courses also available individually below.
- **Check Back Within 6 Months**

\* PACKAGE \*



## Tickborne Illness: Vector Review



TBD



**BASIC INFO:**

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M030  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

**SUMMARY:**

- Reviews the vectors associated with tickborne illness.
- Discusses their stages and lifecycle.
- Lists the diseases associated with each type of tick.
- **Check Back Within 6 Months**

## Tickborne Illness: Review of Diseases



TBD

**BASIC INFO:**

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M031  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

**SUMMARY:**

- Reviews Anaplasmosis, Babesiosis, Ehrlichiosis, Lyme Disease, Rocky Mountain Spotted Fever, Tuleremia, and other lesser known tickborne diseases.
- Lists the locations found, incubation period, signs & symptoms, general laboratory findings, and treatment for the main tickborne diseases. - **Check Back Within 6 Months** -



# Individual Courses

## Understanding Sepsis

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** M028  
**CONTENT SLIDES:** 58  
**QUIZ QUESTIONS:** 14

### SUMMARY:

- Generally, defines what sepsis is, how it starts, and risk factors.
- Lists the differences between Sepsis-2 and Sepsis-3.
- Recalls common signs and symptoms a patient may experience.
- Lists the lab tests commonly ordered to diagnose sepsis & significance of their values.
- Recalls treatments commonly used for sepsis patients.
- Lists some of the conditions a patient may experience with post sepsis syndrome (PSS).

## Zika Virus: Update and Overview

\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** M024  
**CONTENT PAGES:** 9  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Describes where Zika virus was first discovered.
- Recognizes species of mosquito that carry Zika in the U.S.
- Elaborates how Zika virus can and cannot be spread.
- Describes the Pathologies cause by Zika in the fetus and newborns.
- Discusses testing for the Zika virus.



## MOLECULAR PATHOLOGY CATEGORY

## A Basic Guide to Real Time PCR in Microbial Diagnostics

IN PROGRESS

TBD

### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP015  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....



## COVID-19 Pandemic: From Genetics and Genomics, to Therapy, and Vaccination

TBD



### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP014  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** TBD

### SUMMARY:

- Details To Follow.....

IN PROGRESS

# Individual Courses

## mRNA in cancer immunotherapy

IN  
PROGRESS

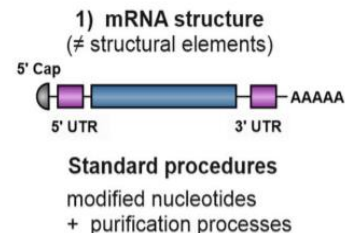
TBD

### BASIC INFO:

**CONTACT HOURS:** TBD  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP016  
**CONTENT PAGES:** TBD  
**QUIZ QUESTIONS:** 5

### SUMMARY:

- Details To Follow.....



## Genetic Testing: A Basic Review

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** MP010  
**CONTENT PAGES:** 13  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Lists the different types of genetic testing.
- Defines informed consent.
- Describes what "Direct to Consumer" testing is.
- Discusses what various genetic test results may mean & the benefits.
- Defines genetic discrimination.
- Recalls whether genes can be patented.
- Explains genetic ancestry testing.

## PCR and Infectious Diseases

\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP011  
**CONTENT PAGES:** 6  
**QUIZ QUESTIONS:** 5

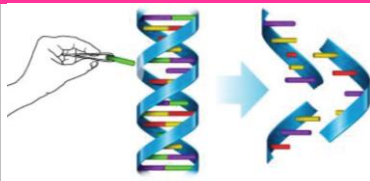
### SUMMARY:

- Discusses infectious diseases and the benefits of polymerase chain reaction (PCR).
- Lists the different PCR techniques, including Multiplex PCR, LAMP-PCR, Real-Time PCR, and Digital PCR, and each of their clinical applications in the diagnosis of infectious disease.



## Regulatory Concern of PCR Carryover Contamination

\$10



Enzymatic Method to control  
contamination

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP013  
**CONTENT PAGES:** 9  
**QUIZ QUESTIONS:** 7

### SUMMARY:

- Discusses Polymerase Chain Reaction (PCR), PCR-based technologies, and PCR contamination.
- Lists potential sources of contamination in PCR.
- Lists the different methods to control contamination in PCR.
- Discuss the methods to detect contamination in PCR.

# Individual Courses

## RNA & DNA: A Basic Review

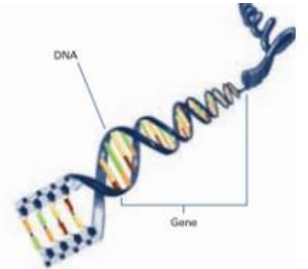
\$17.50

### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** MP009  
**CONTENT PAGES:** 36 (many pics)  
**QUIZ QUESTIONS:** 12

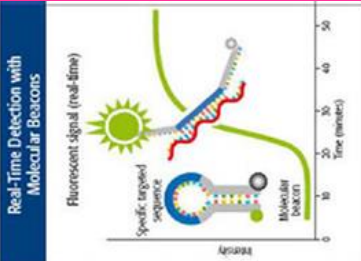
### SUMMARY:

- Describes the structure of DNA and recalls how it replicates itself.
- Describes the processes of meiosis, transcription, and translation.
- Describes the structure of ribosomes and recall what they do.
- Describes what a DNA microarray is and what it can do.
- Lists the differences between RNA and DNA.
- Defines the terms microRNA, RNA interference, gene expression, etc.
- Defines what a telomere is and what its function is.
- Describes what mitochondrial DNA is and where it comes from.



## Use of Nucleic Acid Testing in Molecular Diagnostics

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** MP012  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- Recalls the process of PCR.
- Describes the importance of Nucleic Acid measurement in HIV-1.
- Describes how Nucleic Acid Testing is used in other therapeutic areas including, infectious disease, blood screening, genetics, prenatal testing, inherited diseases, and cancer markers.

## What is a Genome

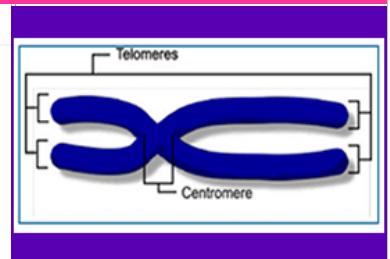
\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** MP008  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- Recalls the physical sub-structure of the Human Genome.
- Describes the step by step process that takes genes and turns them into proteins.
- Discusses human genes and their process of switching, transcription, and transmission.
- Recalls the various mechanisms of genetic variation & heredity.



# PHLEBOTOMY CATEGORY

## LABORATORY TESTING PHASES AND THEIR ASSOCIATED ERRORS



\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH009  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

### SUMMARY:

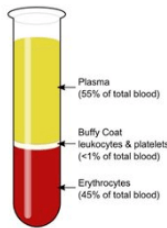
- List the three different phases for Laboratory Testing.
- Discuss the importance of proper specimen ordering, collection, transport, and storage during the Preanalytical phase.
- Discuss the Postanalytical errors, which most commonly include specimen reporting errors.
- Recall the importance of up-to-date procedure manuals and adequate staff training.

# Individual Courses

## Human Blood Composition: Review of Cellular Components

\$15

BLOOD COMPOSITION



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH007  
**CONTENT PAGES:** 14  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Recalls the composition of Human Blood – liquid & cellular portions.
- Describes a red blood cell (RBC), listing causes of abnormal values.
- Describes where White Blood Cells (WBCs) can be found.
- Lists the five different types of EBCs and discusses the reasons for increased or decreased values of each.
- Describes the purpose of Platelets, listing the causes for abnormal values.

## Infectious Complications Caused by Phlebotomy

\$17.50

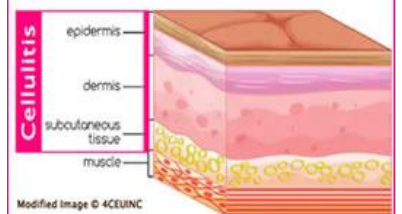
### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH006  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- List the types of infectious complications that can occur from phlebotomy.
- List the signs & symptoms, laboratory evaluation, and treatment options for cellulitis.
- List the signs & symptoms, laboratory evaluation, and treatment options for abscesses.
- List the signs & symptoms, laboratory evaluation, and treatment options for sepsis and septicemia.
- Recalls the patient risk factors that may contribute to complications.
- Recalls some important infection control measures for safety.

### LAYERS OF SKIN AFFECTED BY CELLULITIS



## Patient Injuries Caused by Phlebotomy

\$17.50



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH005  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 9

### SUMMARY:

- Discusses why phlebotomy injuries occur.
- Describes the injuries that can be caused by tourniquet application.
- Explains what a hematoma is and how it is caused.
- Describes wat compartment syndrome is and the complications it causes.
- Explains phlebitis & thrombophlebitis, describing the symptoms.
- Recalls the signs & symptoms of nerve injury and its prevention.
- Lists the sites that should be avoided during venipuncture.

## Preanalytical Errors in Specimen Collection | Updated version goes live Oct 1, 2021



### BASIC INFO:

**CONTACT HOURS:** 3.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH008  
**CONTENT PAGES:** 26  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Highlights the three different types of laboratory errors.
- Discusses the laboratory's role in quality specimen collection.
- Lists the different types of preanalytical errors that can occur in specimen collection.



# Individual Courses

## Specimen Collection: A Basic Review

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PH003  
**CONTENT SLIDES:** 40  
**QUIZ QUESTIONS:** 13

### SUMMARY:

- Lists patient identification procedures.
- Discusses the order of draw and its significance.
- Describes proper labelling techniques.
- Describes the proper technique for blood culture collection.
- Discusses collection, equipment, selecting draw sites, etc.
- Discusses capillary collection, including steps, sites, & tips.

## SAFETY CATEGORY

## Respirator Review

NEW

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF012  
**# of Videos:** 2  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- This course consists of 2 videos:
- **Video 1:** Respirator Types.
  - **Video 2:** Respiratory Protection for Healthcare Workers.

## 12 Hours Bloodborne Pathogens Review

\$44

### BASIC INFO:

**CONTACT HOURS:** 12  
**COURSE LEVEL:** Basic  
**COURSE CODE:** PKG-SAF010  
**SECTIONS:** 6  
**QUIZ QUESTIONS:** 64

### SUMMARY:

- This Package is made up of two individual courses:
  - ✓ Basic Review of Pathogens - - 2 hrs.
  - ✓ Exposure Control Plan - - 4 hrs.
  - ✓ Personal Protective Equipment - - 1 hr.
  - ✓ HIV & HBV Research Labs & Production Facilities - - 1 hr
  - ✓ HBV Vaccination & Post-Exposure Procedures - - 2 hrs.
  - ✓ Communication of Hazards & Recordkeeping - - 2 hrs.

- Course sections also available individually below.

\* PACKAGE \*

**12 HOUR  
BLOODBORNE  
PATHOGENS**



## BBP SERIES: Basic Review of the Pathogens

\$15

### BLOODBORNE PATHOGENS

HIV

HCV

HBV



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF003  
**CONTENT PAGES:** 15  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Lists potential BBPs, recalling the most common ones.
- Lists the transmission routes for BBP.
- Recalls the background, symptoms, incubation period, risk of occupational injury & post-exposure prophylaxis, for HIV, HBV, and HCV.
- Discusses what to do after a BBP exposure.
- Recalls how to minimize having an occupational exposure.



# Individual Courses

## BBP SERIES: Communication Hazards & Recordkeeping

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF008  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls the importance of Labels & Signs in relation to BBP.
- Discusses training as it relates to BBP and the content that must be provided in the training courses.
- Recalls when and how appropriate training is conducted.
- Discusses the standard requirements for training and medical records.



## BBP SERIES: Exposure Control Plan

\$28



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF004  
**CONTENT PAGES:** 18  
**QUIZ QUESTIONS:** 23

### SUMMARY:

- Recalls the purpose of the Exposure Control Plan (ECP).
- Recalls how often the ECP must be updated & who should have access.
- Lists the main sections of the ECP.
- Discusses the main areas of the ECP & possible citations when the plan is not followed.

## BBP SERIES: HBV Vaccination and Exposure Control Procedures

\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF007  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls the basics of the BBP Standard that focuses on HBV vaccination.
- Discusses the HBV vaccination policies.
- Lists the steps to take during a post-exposure



## BBP SERIES: HIV and HBV Research Production Facilities

\$10



### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF006  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 8

### SUMMARY:

- Defines Research Laboratory.
- Recalls the criteria that must be met at research laboratories.
- Recalls the containment equipment used at research laboratories.

# Individual Courses

## BBP SERIES: Personal Protective Equipment

\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF005  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 6

### SUMMARY:

- Recalls the appropriate use of PPE, including donning & doffing.
- Lists the different types of gloves and describing limitations of each.
- Lists the different types of outerwear, describing their limitations.
- Lists the different types of eye protection, describing their limitations.
- Lists the different types of respiratory protection & their limitations.



## Biological Safety Cabinets

\$28



### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SU020  
**CONTENT PAGES:** 35  
**QUIZ QUESTIONS:** 30

### SUMMARY:

- Discusses the purpose of Biological Safety Cabinets (BSC).
- Discusses the functionality of HEPA filters.
- Identifies the mechanical & biological differences of Class I, Class II, and Class III BSCs.
- Lists some general rules to ensure safety when working in a BSC.
- Discusses the maintenance & engineering requirements for BSCs
- Identifies the steps necessary to certify the biosafety cabinets.

## Latex Allergy in Healthcare



\$10

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF011  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recall how natural latex rubber is harvested and manufactured
- Discuss latex products in healthcare, listing examples.
- Recall the clinical reactions to latex, including the symptoms and types of reactions
- Recall how latex allergy is diagnosed.
- Discuss steps that can be taken to manage the disease.



## Hand Hygiene

\$17.50



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** SAF009  
**CONTENT SLIDES:** 59  
**QUIZ QUESTIONS:** 15

### SUMMARY:

- Recalls the birth of hand hygiene.
- Discusses the importance of hand hygiene in relation to healthcare acquired infections (HAIs).
- Recalls when to perform hand hygiene.
- Lists the steps for correctly performing hand hygiene.
- Lists concerns related to hand hygiene.
- Lists hand hygiene facts and "truths worth knowing".

# Individual Courses

## SEROLOGY CATEGORY

### VACCINES: A Basic Review

**NEW**

**\$15**



#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S031  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls the first successful vaccine.
- Recalls the immune cells involved in successful vaccination
- Lists the possible ingredients that may be inside a vaccine.
- Lists the possible side effects of vaccines.
- Lists the different types of vaccines.
- Briefly describes the FDA's oversight role in vaccine development.

### VACCINES: COVID-19 Vaccine Review

**NEW**

**\$24.50**

#### BASIC INFO:

**CONTACT HOURS:** 3.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S033  
**CONTENT PAGES:** 25  
**QUIZ QUESTIONS:** 14  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Recalls immune cells involved in successful vaccination.
- Discusses the EUA that allowed vaccine distribution.
- Lists the different types of vaccines, recalling the COVID-19 types available in the U.S.
- Lists the possible side effects of the COVID-19 vaccines.
- Discusses special patient populations that may not be able to take the COVID-19 vaccines



### VACCINES: FDA's Oversight Role

**NEW**

**\$15**



#### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S032  
**CONTENT PAGES:** 12  
**QUIZ QUESTIONS:** 10  
**TABLE OF CONTENTS:** [View](#)

#### SUMMARY:

- Briefly recall the FDA's role in vaccine development
- List the Phases in the Clinical Development Process and what happens in each stage.
- Discuss special circumstances in vaccine development, such as an EUA, and when they can be used.

### Hepatitis B: Immunity & Prevention Strategies Through Vaccination \*

**\$28**

#### BASIC INFO:

**CONTACT HOURS:** 4  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S020  
**CONTENT PAGES:** 31  
**QUIZ QUESTIONS:** 31

#### SUMMARY:

\* Check back in early 2022

- Discusses the clinical features & complications of HBV.
- Identifies appropriate lab tests for pre and post vaccine testing.
- Discusses the epidemiology of HBV.
- Lists general characteristics of HBV vaccines.
- Discusses the immunogenicity & vaccine effectiveness among age groups.
- Recalls vaccine schedules & effectiveness among age groups.
- Discusses post-vaccination testing, treatment options for post-exposure.
- Lists contraindications and adverse reactions.

**BEING  
UPDATED**



# Individual Courses

## Immune Principles of Vaccination | Complete this version before Dec 31, 2021



**\$12.50**



### BASIC INFO:

**CONTACT HOURS:** 1.5  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S022  
**CONTENT PAGES:** 10  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Recalls what Passive Immunity is and gives examples.
- Recalls what Active Immunity is and gives examples.
- Recalls what Live Attenuated vaccine, Inactivated Vaccine, and Polysaccharide Vaccines are, describing the immune response.
- Describes how a Recombinant Vaccine is made, listing the types of vaccines available.

## Immunoglobulin Review – PART I: Immunoglobulin Structure

**\$10**

### BASIC INFO:

**CONTACT HOURS:** 1  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** SAF011  
**CONTENT PAGES:** 7  
**QUIZ QUESTIONS:** 6

### SUMMARY:

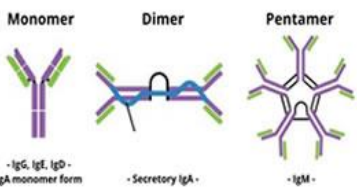
- Recalls a brief overview of immunoglobulins.
- Describes the immunoglobulin structure.
- Lists the major components of an immunoglobulin and their function, including heavy and light chains, disulfide bonds, hinge region, and immunoglobulin fragments.
- Describes the antigen-antibody complex and its functions.



**Ig STRUCTURE**

## Immunoglobulin Review – PART II: Immunoglobulin Types & Uses

**\$21**



### Ig TYPES & USES

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** S028  
**CONTENT PAGES:** 19  
**QUIZ QUESTIONS:** 20

### SUMMARY:

- Recalls a brief overview of immunoglobulins (Ig).
- Describes the immunoglobulin structure.
- Lists the 5 types of immunoglobulins, describing each type.
- Lists disease states that causes elevated and decreased Ig levels.
- Lists the medical applications for antibodies.

## Introduction to Basic Immunology

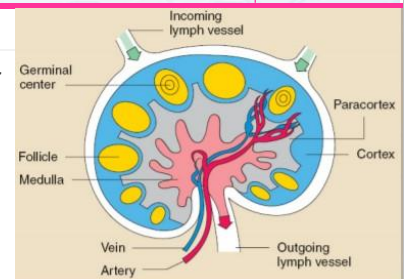
**\$15**

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S021  
**CONTENT PAGES:** 16  
**QUIZ QUESTIONS:** 10

### SUMMARY:

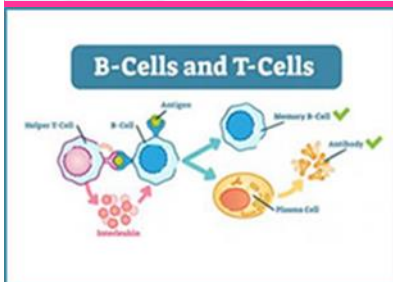
- Identifies the organs that are part of the lymphoid system, recalling their function.
- Recalls the details of Innate Immunity, discussing the cells involved.
- Recalls the details of Adaptive immunity and how T and B cells function.
- Discusses the differences between antibody- vs cell-mediated immunity.
- Describes Passive and Active Immunization.
- Recalls the disorders of a malfunctioning immune system.



# Individual Courses

## Introduction to Immunology and Immunopathology

\$15



### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Basic  
**COURSE CODE:** S029  
**CONTENT PAGES:** 11  
**QUIZ QUESTIONS:** 11

### SUMMARY:

- Defines Innate and Adaptive Immunity, listing components of each.
- Compares and contrasts antibody- & cell- mediated immunity.
- Compares and contrasts Passive vs. Active immunization.
- Discusses immunopathology, including: hypersensitivity reactions, autoimmunity, and immunodeficiency.

## Toxic Epidermal Necrolysis and Stevens-Johnson Syndrome

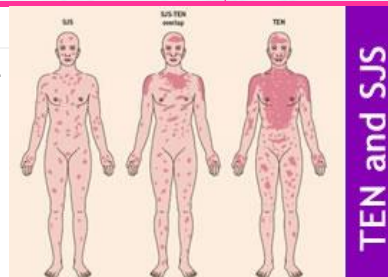
\$15

### BASIC INFO:

**CONTACT HOURS:** 2  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** S018  
**CONTENT PAGES:** 8  
**QUIZ QUESTIONS:** 12

### SUMMARY:

- Recalls the background on TENS & Stevens-Johnson Syndrome (SJS).
- Recalls the epidemiology of TENS and SJS.
- Lists the clinical features, recalling the acute & late phase sequelae.
- Describes the etiology & pathogenesis of TENS and SJS, including genetic susceptibility, drugs, and diagnosis.
- Lists the management and therapy options for treating TENS & SJS.
- Recalls the prognosis for TENS and SJS.



## Understanding the ABCs of the Immune System

\$17.50



### BASIC INFO:

**CONTACT HOURS:** 2.5  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** S024  
**CONTENT PAGES:** 20  
**QUIZ QUESTIONS:** 10

### SUMMARY:

- Lists areas of the body where immune cells are located.
- Describe the three different types (features) of an immune response.
- Lists the different cells of the immune system, recalling their function.
- Recalls what immune tolerance is.
- Lists the major disorders of the immune system, giving examples of each.

## Western Blot: A Valuable Immunoassay

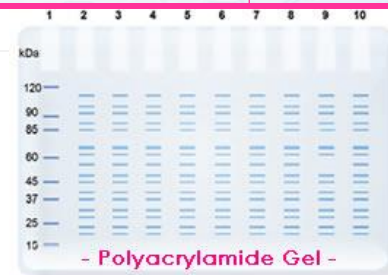
\$21

### BASIC INFO:

**CONTACT HOURS:** 3  
**COURSE LEVEL:** Intermediate  
**COURSE CODE:** S030  
**CONTENT PAGES:** 16  
**QUIZ QUESTIONS:** 20

### SUMMARY:

- Recalls a history of the Western Blot (WB) technique.
- Discusses the evolution of the Western Blot technique over time.
- Lists other test methods based on Western Blotting.
- Discusses Western Blot applications.
- Lists other immunoassay methods and the connection with WB.



--- END OF THE INDIVIDUAL COURSE LIST ---

# Individual Courses

## Understanding this Course Format:



The purchaser receives the reading material in an online document – PDF file or PowerPoint – and completes the quiz online. For your convenience, one copy of the reading material and quiz may be printed out to work offline or can be saved to a flash drive for future reference. Remember to save a copy of

the document **before** completing the quiz. If you choose to read the material offline, you must still return to your online profile and enter the quiz results into the online quiz, where it is graded.

## Frequently Asked Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for all online courses, provided that your license # is in your profile at the time of course completion. Please note, it may take up to 24 hours for CE Broker to post your hours in their system. If you don't see your hours there, please contact our office.



**QUESTION:** I added my Florida license number after I completed my courses. Will my courses automatically be reported?

**ANSWER:** No. If you were licensed prior to course completion but added your license # after course completion, you will need to contact our office so we can manually report your courses to CE Broker.

**QUESTION:** What do I get with an Individual Course Online?

**ANSWER:** You receive access to both the Reading Material & an Online Quiz. The reading material is typically a PDF file, but may also be presented as a PowerPoint, with the option to also download as a PDF file.

**QUESTION:** Do you offer Home Study formats for Individual Courses?

**ANSWER:** No. Individual Courses are ONLY offered as 'Online Complete' formats.

**QUESTION:** How do I print or save a Certificate of Completion?

**ANSWER:** All browsers are different so there may be multiple ways including: 1) Click the print button in the Adobe Reader. 2) Right Click on the document, then choose print, to print a hard copy OR "print to PDF" to save a PDF copy. 3) Alternatively on phones, you can do a screenshot and save it as an image file.

**QUESTION:** Where can I find Instructions for completing a course online?

**ANSWER:** [Click here](#) to access instructions for completing an online course. Please note, we will be updating our website in the Fall of 2021 so new instructions will be available.

**QUESTION:** How can we set up a new Group for our Lab?

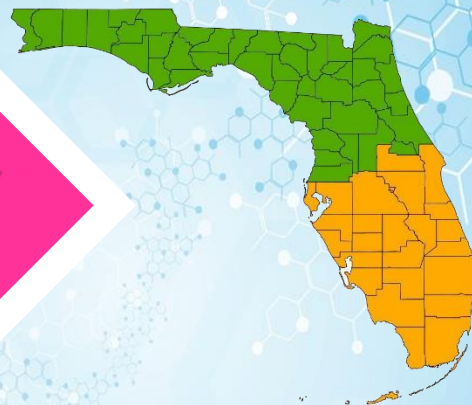
**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

LAST REVISED: 9/12/2021

- SECTION 6 -

## Florida Combos & Packages

- The Florida Lab Combos provide multiple categories, **INCLUDING** the Florida Mandatory Courses.
- The Florida Mandatory packages are specifically designed for Existing License Renewal, a Licensee's 1<sup>st</sup> Florida Renewal, or Initial Florida Licensure.



[Back to Index](#)

# Florida Combos & Florida Packages



**Formats Available:** \* Vary by course \* See each course section enclosed for details \*

**Florida Combo Courses:** ✓ Formats available vary by Combo course, please see detailed information enclosed in this section.

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**FL Mandatory Packages:** ✓ Online course material is delivered as a PDF Document.  
✓ Quiz questions are answered online.

## FLORIDA COMBOS & PACKAGES AT A GLANCE:

### FLORIDA COMBO COURSES

- ✓ **IMPORTANT:** Be sure to order from the Florida Lab Combo and Florida Histology Combo categories.
- ✓ Most currently released Combos are marked with a “NEW” graphic in the upper right corner.
- ✓ We offer General Lab, Histology, & Cytology Combo Courses for Florida Licensees.
- ✓ All Florida Combos include the 3 FL Mandatory Courses, along with other categories.
- ✓ General Lab & Histology Combos come in 2 PARTS which can be completed during different years.
- ✓ All Combo Courses are active for 4 years from the date of release.
- ✓ A new Combo is available every 2 years in the Spring of odd numbered years.
- ✓ The number after the Combo name is the year that it was released. IE: -19 is 2019, -17 is 2017
- ✓ You must complete the entire Combo or Combo PART (I or II) to receive the contact hours.
- ✓ Combo Courses **can** be shared. Share reading material & coworkers buy quiz only or answer sheets.
- ✓ Only need a few course titles from the Combo? Order them from the Individual Course list section.

### FLORIDA MANDATORY PACKAGES

- ✓ Florida Initial Licensure Package is for those applying for a new license or license upgrade.
- ✓ FL Initial Licensure Pkg: return to your online 4cevinc profile & enter your FL license # once assigned.
- ✓ Florida First Renewal Package is for licensees who are renewing for the very first time.
- ✓ Florida Mandatory Package is for licensees renewing an existing license.
- ✓ These packages only give you the mandatory courses you need, no other CE hours.
- ✓ These courses are also available as individual titles under the -Florida Mandatory category.

### CE BROKER

- ✓ Our CE Broker number is 50-2256. We are registered under Continuing Education Unlimited.
- ✓ We report to CE Broker immediately, when you have a FL license # in your profile at the time of course completion.







# Florida Laboratory Combo-21

The Florida Laboratory Combo provides multiple categories, **INCLUDING** the FL. Mandatory Courses.

**NEW ON:** May 31, 2021

**RETIRED AFTER:** July 1, 2025



**IMPORTANT NOTE:** This course is for Florida Licensees only. Be sure to order from the "Florida Lab Combo" category. Not a Florida Licensee? Check out the Laboratory Combo category.

## Florida Laboratory Combo-21 Both PARTS I & II (Code: 24F-21)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

Price: **\$75**  
Small Group Price: \* **\$55**

**Online Quiz Only**

Price: **\$38**  
Small Group Price: \* **\$33**

**Printed Book Only**

Black & White 3-hole punch

Price: **\$52 + tax + SH**  
Small Group Price: \* **\$50**

**Answer Sheet Only**

YOU Print Scantron

Price: **\$45**  
Small Group Price: \* **\$40**

### PART I - 12 Hours:

| Section                      | Title                                     | Category       | Contact Hrs |
|------------------------------|---|----------------|-------------|
| 1                            | Coronavirus Disease: COVID-19             | Microbiology   | 3           |
| 2                            | Respirator Review                         | Safety         | 1           |
| 3                            | BBP SERIES: Basic Review of the Pathogens | Safety         | 2           |
| 4                            | Impairment in the Workplace               | General        | 2           |
| 5                            | Medical Errors in Healthcare              | Medical Errors | 2           |
| 6                            | Update on HIV/AIDS                        | HIV Update     | 1           |
| 7                            | FL Lab Laws and Rules                     | Laws and Rules | 1           |
| <b>COURSE NUMBERS:</b>       |   |                |             |
| <b>CE BROKER:</b> 20-804306  |   |                |             |
| <b>P.A.C.E.#:</b> 511-146-21 |   |                |             |
| <b>TOTAL HOURS</b>           |   |                | <b>12</b>   |

Covers SU & DI level licenses.

### PART II - 12 Hours:

| Section                      | Title  | Category            | Contact Hrs |
|------------------------------|--|---------------------|-------------|
| 1                            | CASE REPORT: Postpartum Acute Fatty Liver of Pregnancy | Chemistry           | 2           |
| 2                            | CASE REPORT: Postpartum TTP                            | Hematology          | 2           |
| 3                            | Umbilical Cord Blood Collection and Banking            | Blood Banking       | 1           |
|                              |  | Immunochemistry     | 1           |
| 4                            | Antibiotic Resistance: Review of Serious Threats       | Microbiology        | 2           |
| 5                            | PCR and Infectious Diseases                            | Molecular Pathology | 1           |
| 6                            | Regulatory Concern of PCR Carryover Contamination      | Molecular Pathology | 1           |
| 7                            | Vaccines: A Basic Review                               | Serology            | 2           |
| <b>COURSE NUMBERS:</b>       |  |                     |             |
| <b>CE BROKER:</b> 20-851228  |  |                     |             |
| <b>P.A.C.E.#:</b> 511-147-21 |  |                     |             |
| <b>TOTAL HOURS</b>           |  |                     | <b>12</b>   |

# Florida Laboratory Combo-21



## PURCHASING ONLY: Florida Laboratory Combo-21 PART I

**Formats Available:** Group pricing not available when purchasing PART I only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida Laboratory Combo-21. If you need 24 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:** COURSE CODE: 24F-21-I CE BROKER: 20-804306 P.A.C.E.#: 511-146-21

### PART I - 12 Hours:

| Section            | Title                                     | Category       | Contact Hrs |
|--------------------|---|----------------|-------------|
| 1                  | Coronavirus Disease: COVID-19             | Microbiology   | 3           |
| 2                  | Respirator Review                         | Safety         | 1           |
| 3                  | BBP SERIES: Basic Review of the Pathogens | Safety         | 2           |
| 4                  | Impairment in the Workplace               | General        | 2           |
| 5                  | Medical Errors in Healthcare              | Medical Errors | 2           |
| 6                  | Update on HIV/AIDS                        | HIV Update     | 1           |
| 7                  | FL Lab Laws and Rules                     | Laws and Rules | 1           |
| <b>TOTAL HOURS</b> |   |                | <b>12</b>   |

Covers SU & DI level licenses.

## PURCHASING ONLY: Florida Laboratory Combo-21 PART II

**Formats Available:** Group pricing not available when purchasing PART II only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida Laboratory Combo-21. If you need 24 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:** COURSE CODE: 24F-21-II CE BROKER: 20-851228 P.A.C.E.#: 511-147-21

| Section            | Title  | Category            | Contact Hrs |
|--------------------|--|---------------------|-------------|
| 1                  | Hyponatremia   | Chemistry           | 2           |
| 2                  | Factor XIII Review   | Hematology          | 2           |
| 3                  | Blood Component Processing, Storage, Special Preparation & Labelling | Immunoematology     | 1           |
|                    |  | Blood Banking       | 1           |
| 4                  | Bioterrorism - A Worldwide Threat                                    | Microbiology        | 2           |
| 5                  | Genetic Testing: A Basic Review                                      | Molecular Pathology | 2           |
| 6                  | Stevens Johnson Syndrome and Toxic Epidermal Necrolysis              | Serology            | 2           |
| <b>TOTAL HOURS</b> |  |                     | <b>12</b>   |

## Florida Laboratory Combo-21



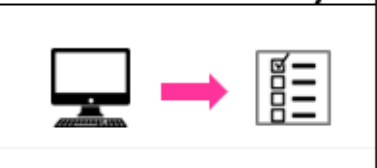
### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



With the Printed Book Only format, the purchaser will receive the printed Combo material mailed to them via the US Post Office. This can be purchased on its own or paired with an Online Quiz Only or Answer Sheet Only. This option has a shipping fee added, plus tax when shipped to FL. Copies are Black & White, with 3-holes punched, **YOU supply the binder**.

#### Answer Sheet Only



With the Answer Sheet Only format, the purchaser will receive a printable Answer Sheet which can be faxed back to our office or uploaded into your online profile. **Changes:** 1.) **YOU** will print your Answer Sheets from your "My Courses" list – this will allow you to reprint the sheets as needed. 2.) **YOU** will print your Certificate from your "Course History" list.

### Common Florida Lab Combo Course Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile **at the time of course completion**.



**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** Does the Printed Book Only come with a 3-ring binder this year?

**ANSWER:** No. Reason: This new Combo is larger & is too thick for a 1 inch binder and the 1.5 inch binders were getting damaged in transit. We apologize for any inconvenience this may cause. The printed book + Answer Sheets (or online quiz) when added together are priced less than last yr. to reflect the change.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF FLORIDA LAB COMBO-21 SECTION\*\*\***



# Florida Laboratory Combo-19

The Florida Laboratory Combo provides multiple categories, **INCLUDING** the FL. Mandatory Courses.

**NEW ON:** May 1, 2019

**RETIRED AFTER:** September 1, 2023



**IMPORTANT NOTE:** This course is for Florida Licensees only. Be sure to order from the “Florida Lab Combo” category. Not a Florida Licensee? Check out the Laboratory Combo category.

## Florida Laboratory Combo-19 Both PARTS I & II (Code: 24F-19)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

**Price:** \$75  
**Small Group Price:** \* \$55

**Online Quiz Only**

**Price:** \$38  
**Small Group Price:** \* \$33

**Printed Book Only**

**Black & White 3-hole punch**  
**Small Group Price:** \* \$45

**Answer Sheet Only**

**YOU Print Scantron**  
**Price:** \$45  
**Small Group Price:** \* \$40

\*Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching & larger lab discounts are available.

### PART I - 12.5 Hours:

| Section                | Title                                  | Category              | Contact Hrs |
|------------------------|--|-----------------------|-------------|
| 1                      | Immunoglobulin Review: Ig Structure    | Serology              | 1           |
| 2                      | Immunoglobulin Review: Ig Types & Uses | Serology              | 3           |
| 3                      | Hand Hygiene                           | Management / Safety   | 2.5         |
| 4                      | Medical Errors in Healthcare           | Medical Errors        | 2           |
| 5                      | Update on HIV/AIDS                     | HIV Update            | 3           |
| 6                      | FL Lab Laws and Rules                  | Laws and Rules        | 1           |
| <b>COURSE NUMBERS:</b> |  |                       |             |
| CE BROKER: 20-655353   |  | P.A.C.E.#: 511-075-21 |             |
| <b>TOTAL HOURS</b>     |  |                       | <b>12.5</b> |

### PART II - 12 Hours:

| Section                | Title  | Category              | Contact Hrs |
|------------------------|--|-----------------------|-------------|
| 1                      | Urine Collection Types: A Basic Review               | Chemistry             | 2           |
| 2                      | Heparin Induced Thrombocytopenia                     | Hematology            | 2           |
| 3                      | Transfusion Transmitted Infections Overview          | Immunochemistry       | 1           |
|                        |  | Blood Banking         | 1           |
| 4                      | Understanding Sepsis                                 | Microbiology          | 2           |
| 5                      | Use of Nucleic Acid Testing in Molecular Diagnostics | Molecular Pathology   | 2           |
| 6                      | Introduction to Immunology and Immunopathology       | Serology              | 2           |
| <b>COURSE NUMBERS:</b> |  |                       |             |
| CE BROKER: 20-655355   |  | P.A.C.E.#: 511-076-21 |             |
| <b>TOTAL HOURS</b>     |  |                       | <b>12</b>   |

# Florida Laboratory Combo-19

## Florida Laboratory Combo-19 PART I ONLY

**Formats Available:** Group pricing not available when purchasing PART I only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida Laboratory Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** 24F-19-I

**CE BROKER:** 20-655353

**P.A.C.E.#:** 511-075-21

| Section            | Title                                  | Category            | Contact Hrs |
|--------------------|--|---------------------|-------------|
| 1                  | Immunoglobulin Review: Ig Structure    | Serology            | 1           |
| 2                  | Immunoglobulin Review: Ig Types & Uses | Serology            | 3           |
| 3                  | Hand Hygiene                           | Management / Safety | 2.5         |
| 4                  | Medical Errors in Healthcare           | Medical Errors      | 2           |
| 5                  | Update on HIV/AIDS                     | HIV Update          | 3           |
| 6                  | FL Lab Laws and Rules                  | Laws and Rules      | 1           |
| <b>TOTAL HOURS</b> |  |                     | <b>12.5</b> |

## Florida Laboratory Combo-19 PART II ONLY

**Formats Available:** Group pricing not available when purchasing PART II only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida Laboratory Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** 24F-19-II

**CE BROKER:** 20-655355

**P.A.C.E.#:** 511-076-21

| Section            | Title  | Category            | Contact Hrs |
|--------------------|--|---------------------|-------------|
| 1                  | Urine Collection Types: A Basic Review               | Chemistry           | 2           |
| 2                  | Heparin Induced Thrombocytopenia                     | Hematology          | 2           |
| 3                  | Transfusion Transmitted Infections Overview          | Immunochemistry     | 1           |
|                    |  | Blood Banking       | 1           |
| 4                  | Understanding Sepsis                                 | Microbiology        | 2           |
| 5                  | Use of Nucleic Acid Testing in Molecular Diagnostics | Molecular Pathology | 2           |
| 6                  | Introduction to Immunology and Immunopathology       | Serology            | 2           |
| <b>TOTAL HOURS</b> |  |                     | <b>12</b>   |

## Florida Laboratory Combo-19

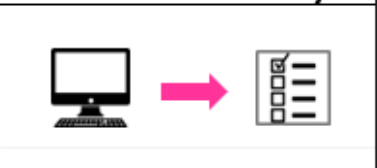
### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



With the Printed Book Only format, the purchaser will receive the printed Combo material mailed to them via the US Post Office. This can be purchased on its own or paired with an Online Quiz Only or Answer Sheet Only. This option has a shipping fee added, plus tax when shipped to FL. Copies are Black & White, with 3-holes punched, **YOU supply the binder.**

#### Answer Sheet Only



With the Answer Sheet Only format, the purchaser will receive a printable Answer Sheet which can be faxed back to our office or uploaded into your online profile. **Changes:** 1.) **YOU** will print your Answer Sheets from your "My Courses" list – this will allow you to reprint the sheets as needed. 2.) YOU will print your Certificate from your "Course History" list.

### Common Florida Lab Combo Course Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile **at the time of course completion.**



**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** Does the Printed Book Only come with a 3-ring binder this year?

**ANSWER:** No. Reason: This new Combo is larger & is too thick for a 1 inch binder and the 1.5 inch binders were getting damaged in transit. We apologize for any inconvenience this may cause. The printed book + Answer Sheets (or online quiz) when added together are priced less than last yr. to reflect the change.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF FLORIDA LAB COMBO-19 SECTION\*\*\***





# Florida Histology Combo-21

The Florida Histology Combo provides multiple categories, **INCLUDING** the FL. Mandatory Courses.



**NEW ON:** June 30, 2021

**RETIRED AFTER:** June 30, 2025

**IMPORTANT NOTE:** This course is for Florida licensees only. Be sure to order from the "Group Enrollment Form" or through your "Educational Coordinator" to get the group discount.

## Florida Histology Combo-21 Both PARTS I & II (Code: H24F-21)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

Price: **\$75**  
Small Group Price: \* **\$55**

**Online Quiz Only**

Price: **\$38**  
Small Group Price: \* **\$33**

**Printed Book Only**

Not available for Histology, however, Online PDF files can be printed out.

**Answer Sheet Only**

**YOU Print the A.S.**  
Price: **\$45**  
Small Group Price: \* **\$40**

\* Groups have 5+ people. Group price shown is avg. for smaller labs. \* Price matching and larger lab discounts are available.

### PART I - 12 Hours:

| Section                      | Title                                     | Category       | Contact Hrs        |
|------------------------------|---|----------------|--------------------|
| 1                            | Coronavirus Disease: COVID-19             | Microbiology   | 3                  |
| 2                            | Respirator Review                         | Safety         | 1                  |
| 3                            | BBP SERIES: Basic Review of the Pathogens | Safety         | 2                  |
| 4                            | Impairment in the Workplace               | General        | 2                  |
| 5                            | Medical Errors in Healthcare              | Medical Errors | 2                  |
| 6                            | Update on HIV/AIDS                        | HIV Update     | 1                  |
| 7                            | FL Lab Laws and Rules                     | Laws and Rules | 1                  |
| <b>COURSE NUMBERS:</b>       |   |                | <b>TOTAL HOURS</b> |
| <b>CE BROKER: 20-804306</b>  |   |                | <b>12</b>          |
| <b>P.A.C.E.#: 511-148-21</b> |   |                |                    |

### PART II - 12 Hours:

| Section                      | Title  | Category             | Contact Hrs        |
|------------------------------|--|----------------------|--------------------|
| 1                            | Histopathology of Wilsons Disease  | Histology            | 3                  |
| 2                            | Gross & Histopathology of COVID-19 Autopsy Specimens                               | Histology            | 2                  |
| 3                            | Histology of the Human Placenta  | Histology            | 2                  |
| 4                            | A Short Review of Immunohistochemistry   | Immunohistochemistry | 2                  |
| 5                            | CASE REPORT: 3 <sup>rd</sup> Trimester Placental Pathology in COVID Positive Women | Immunohistochemistry | 3                  |
| <b>COURSE NUMBERS:</b>       |  |                      | <b>TOTAL HOURS</b> |
| <b>CE BROKER: 20-867130</b>  |  |                      | <b>12</b>          |
| <b>P.A.C.E.#: 511-149-21</b> |  |                      |                    |

# Florida Histology Combo-21

## PURCHASING ONLY: Florida Histology Combo-21 PART I

### Formats Available:

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida Histology Combo-21. If you need 24.5 hours, be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** H24F-21-I

**CE BROKER:** 20-804306

**P.A.C.E.#:** 511-148-21

| Section            | Title                                     | Category       | Contact Hrs |
|--------------------|---|----------------|-------------|
| 1                  | Coronavirus Disease: COVID-19             | Microbiology   | 3           |
| 2                  | Respirator Review                         | Safety         | 1           |
| 3                  | BBP SERIES: Basic Review of the Pathogens | Safety         | 2           |
| 4                  | Impairment in the Workplace               | General        | 2           |
| 5                  | Medical Errors in Healthcare              | Medical Errors | 2           |
| 6                  | Update on HIV/AIDS                        | HIV Update     | 1           |
| 7                  | FL Lab Laws and Rules                     | Laws and Rules | 1           |
| <b>TOTAL HOURS</b> |   |                | <b>12</b>   |

## PURCHASING ONLY: Florida Histology Combo-21 PART II

### Formats Available:

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida Histology Combo-17. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** H24F-21-II

**CE BROKER:** 20-867130

**P.A.C.E.#:** 511-149-21

| Section            | Title  | Category             | Contact Hrs |
|--------------------|--|----------------------|-------------|
| 1                  | Histopathology of Wilsons Disease  | Histology            | 3           |
| 2                  | Gross & Histopathology of COVID-19 Autopsy Specimens                               | Histology            | 2           |
| 3                  | Histology of the Human Placenta  | Histology            | 2           |
| 4                  | A Short Review of Immunohistochemistry   | Immunohistochemistry | 2           |
| 5                  | CASE REPORT: 3 <sup>rd</sup> Trimester Placental Pathology in COVID Positive Women | Immunohistochemistry | 3           |
| <b>TOTAL HOURS</b> |  |                      | <b>12</b>   |

## Florida Histology Combo-21

### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **no longer available** for this FL Histo. Combo Course. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of each PDF file if you prefer to have a printed copy.

### Common Florida Lab Combo Course Questions:


**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile at the time of course completion.

**QUESTION:** Why don't you mail Answer Sheets or Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Answer Sheets and Certificates as needed.

**QUESTION:** Is this course code the new Florida Histology Combo?

**ANSWER:** No. You can see the "New On" date on the top of the 1<sup>st</sup> page. Also, look for the  image in the upper right corner of the Combo documents for the new Combos, which are released every 2 years.

**QUESTION:** \* Why don't you offer the Florida Histology Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF FLORIDA HISTOLOGY COMBO-21 SECTION\*\*\***



# Florida Histology Combo-19

The Florida Histology Combo provides multiple categories, **INCLUDING** the FL. Mandatory Courses.

**NEW ON:** May 1, 2019

**RETIRED AFTER:** September 1, 2023



**IMPORTANT NOTE:** This course is for Florida Licensees only. Be sure to order from the “Florida Histology Combo” category. Not a Florida Licensee? Check out the Histology Combo category.

## Florida Histology Combo-19 Both PARTS I & II (Code: H24F-19)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

Price: **\$75**  
Small Group Price: \* **\$55**

**Online Quiz Only**

Price: **\$38**  
Small Group Price: \* **\$33**

**Printed Book Only**

Not available for Histology, however, Online PDF files can be printed out.

**Answer Sheet Only**

**YOU Print the A.S.**  
Price: **\$45**  
Small Group Price: \* **\$40**

\* Groups have 5+ people. Group price shown is avg. for smaller labs. \* Price matching and larger lab discounts are available.

### PART I - 12.5 Hours:

| Section                | Title                                  | Category              | Contact Hrs        |
|------------------------|--|-----------------------|--------------------|
| 1                      | Immunoglobulin Review: Ig Structure    | Serology              | 1                  |
| 2                      | Immunoglobulin Review: Ig Types & Uses | Serology              | 3                  |
| 3                      | Hand Hygiene                           | Management / Safety   | 2.5                |
| 4                      | Medical Errors in Healthcare           | Medical Errors        | 2                  |
| 5                      | Update on HIV/AIDS                     | HIV Update            | 3                  |
| 6                      | FL Lab Laws and Rules                  | Laws and Rules        | 1                  |
| <b>COURSE NUMBERS:</b> |  |                       |                    |
| CE BROKER: 20-655359   |  | P.A.C.E.#: 511-077-21 | <b>TOTAL HOURS</b> |
|                        |  |                       | <b>12.5</b>        |

### PART II - 12 Hours:

| Section                | Title   | Category              | Contact Hrs        |
|------------------------|---|-----------------------|--------------------|
| 1                      | Antigen Retrieval for Light and Electron Microscopy             | Immunohistochemistry  | 3                  |
| 2                      | Detection Systems in Immunohistochemistry                       | Immunohistochemistry  | 3                  |
| 3                      | Histological Stains: A Literature Review and Case Study         | Histology             | 1                  |
| 4                      | The Role of Technical Quality Control in Histology Laboratories | Histology             | 1                  |
| 5                      | Histological Microtechniques                                    | Histology             | 2                  |
| 6                      | Use of Nucleic Acid Testing in Molecular Diagnostics            | Molecular Pathology   | 2                  |
| <b>COURSE NUMBERS:</b> |   |                       |                    |
| CE BROKER: 20-716272   |   | P.A.C.E.#: 511-078-21 | <b>TOTAL HOURS</b> |
|                        |   |                       | <b>12</b>          |

# Florida Histology Combo-19

## Florida Laboratory Combo-19 PART I ONLY

**Formats Available:** Group pricing not available when purchasing PART I only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida **Laboratory** Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** H24F-19-I

**CE BROKER:** 20-655359

**P.A.C.E.#:** 511-077-21

| Section            | Title                                  | Category            | Contact Hrs |
|--------------------|--|---------------------|-------------|
| 1                  | Immunoglobulin Review: Ig Structure    | Serology            | 1           |
| 2                  | Immunoglobulin Review: Ig Types & Uses | Serology            | 3           |
| 3                  | Hand Hygiene                           | Management / Safety | 2.5         |
| 4                  | Medical Errors in Healthcare           | Medical Errors      | 2           |
| 5                  | Update on HIV/AIDS                     | HIV Update          | 3           |
| 6                  | FL Lab Laws and Rules                  | Laws and Rules      | 1           |
| <b>TOTAL HOURS</b> |  |                     | <b>12.5</b> |

## Florida Histology Combo-19 PART II ONLY

**Formats Available:** Group pricing not available when purchasing PART II only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida Histology Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** H24F-19-II

**CE BROKER:** 20-716272

**P.A.C.E.#:** 511-078-21

| Section            | Title   | Category             | Contact Hrs |
|--------------------|---|----------------------|-------------|
| 1                  | Antigen Retrieval for Light and Electron Microscopy             | Immunohistochemistry | 3           |
| 2                  | Detection Systems in Immunohistochemistry                       | Immunohistochemistry | 3           |
| 3                  | Histological Stains: A Literature Review and Case Study         | Histology            | 1           |
| 4                  | The Role of Technical Quality Control in Histology Laboratories | Histology            | 1           |
| 5                  | Histological Microtechniques                                    | Histology            | 2           |
| 6                  | Use of Nucleic Acid Testing in Molecular Diagnostics            | Molecular Pathology  | 2           |
| <b>TOTAL HOURS</b> |   |                      | <b>12</b>   |

## Florida Histology Combo-19

### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **no longer available** for this FL Histo. Combo Course. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of each PDF file if you prefer to have a printed copy.

#### Answer Sheet Only



With the Answer Sheet Only format, the purchaser will receive a printable Answer Sheet which can be faxed back to our office or uploaded into your online profile. **Changes:** 1.) YOU will print your Answer Sheets from your "My Courses" list – this will allow you to reprint the sheets as needed. 2.) YOU will print your Certificate from your "Course History" list.

### Common Florida Lab Combo Course Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile at the time of course completion.

**QUESTION:** Why don't you mail Answer Sheets or Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Answer Sheets and Certificates as needed.

**QUESTION:** \* Why don't you offer the Florida Histology Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF FLORIDA HISTOLOGY COMBO-19 SECTION\*\*\***





# Florida Cytology Combo-21

The Florida Cytology Combo provides multiple categories, **INCLUDING** the FL. Mandatory Courses.

**NEW ON:** Sept 1, 2021

**RETIRED AFTER:** Aug 31, 2025



**IMPORTANT NOTE:** This course is for Florida Licensees only. Be sure to order from the “Group Enrollment Form” or through your “Educational Coordinator” to get the group discount.

## Florida Cytology Combo-21 (Code: C14F-21)

**Formats Available:** With this option you get 14 contact hours, including FL Mandatory courses.

**Online Complete**

Price: **\$44**  
Small Group Price: \* **\$28**

**Online Quiz Only**

Price: **\$23.50**  
Small Group Price: \* **\$17**

**Printed Book Only**

Printed Books are **NOT** available with this course. You are entitled to print 1 copy of the PDF file.

\*Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching & larger lab discounts are available.

## Course Titles Included:

### 14 Hours:

| Section | Title   | Category        | Contact Hrs |
|---------|---|-----------------|-------------|
| 1       | Coronavirus Disease: COVID-19   | Microbiology    | 3           |
| 2       | Respirator Review   | Safety          | 1           |
| 3       | BBP SERIES: Basic Review of the Pathogens   | Safety          | 2           |
| 4       | Impairment in the Workplace   | General         | 2           |
| 5       | Prevention of Medical Errors in Healthcare  | Medical Errors  | 2           |
| 6       | 1 Hour HIV/AIDS   | HIV Update      | 1           |
| 7       | Florida Lab Laws & Rules of the Board   | FL Laws & Rules | 1           |
| 8       | Comparison Between Two Cell Collecting Methods for Liquid-Based Oral Brush Biopsies | Cytology        | 2           |

Covers SU & DI level licenses.

|                        |                             |                           |                    |           |
|------------------------|-----------------------------|---------------------------|--------------------|-----------|
| <b>COURSE NUMBERS:</b> | <b>CE BROKER:</b> 20-844327 | <b>P.A.C.E.#:</b> PENDING | <b>TOTAL HOURS</b> | <b>14</b> |
|------------------------|-----------------------------|---------------------------|--------------------|-----------|

## Florida Cytology Combo-21



### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **no longer available** for this FL Cyto. Combo Course. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of each PDF file if you prefer to have a printed copy.

### Common Florida Cyto Combo Course Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile **at the time of course completion**.

**QUESTION:** Why don't you mail Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access to your profile allows you to print Certificates as needed.

**QUESTION:** \* Why don't you offer the Florida Cytology Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** How can we set up a new Group or Sub-Group for our Lab?

**ANSWER:** Visit: <https://www.4CEUINC.com/NewGroup.pdf>



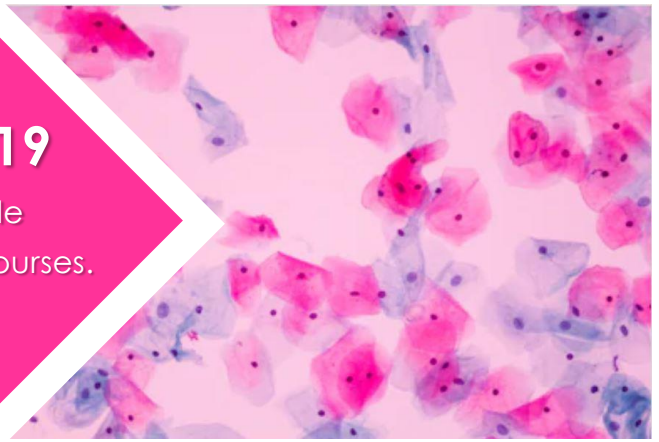


# Florida Cytology Combo-19

The Florida Cytology Combo provides multiple categories, **INCLUDING** the FL. Mandatory Courses.

**NEW ON:** August 1, 2019



**RETIRED AFTER:** October 31, 2023





**IMPORTANT NOTE:** This course is for **Florida Licensees** only. Be sure to order from the “**Florida Lab Combo**” category. Not a Florida Licensee? Check out the Laboratory Combo category.

## Florida Cytology Combo-19 (Code: C12F-19)

**Formats Available:** With this option you get 12 contact hours, including FL Mandatory courses.

| Online Complete   |   |
|---|---|
|  |  |
| <b>Price:</b>   | <b>\$44</b>   |
| <b>Small Group Price: *</b>   | <b>\$28</b>   |

| Online Quiz Only  |   |
|---|---|
|  |  |
| <b>Price:</b>   | <b>\$23.50</b>  |
| <b>Small Group Price: *</b>   | <b>\$17</b>   |

| Printed Book Only  |
|--|
| <b>Printed Books are NOT available with this course. You are entitled to print 1 copy of the PDF file.</b> |

\*Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching & larger lab discounts are available.

## Course Titles Included:

### PART I - 12.5 Hours:

| Section                                    | Title   | Category       | Contact Hrs        |
|--|---|----------------|--------------------|
| 1  | Immunoglobulin Review: Ig Structure                           | Serology       | 1                  |
| 2  | Use of Nasal Cytology in the Diagnosis of Sinonasal Disorders | Cytology       | 2                  |
| 3  | Case Studies in Cytology-19                                   | Cytology       | 1                  |
| 4  | Hand Hygiene  | Safety         | 2.5                |
| 5  | Medical Errors in Healthcare                                  | Medical Errors | 2                  |
| 6  | Update on HIV/AIDS  | HIV Update     | 3                  |
| 7  | FL Lab Laws and Rules   | Laws and Rules | 1                  |
| <b>COURSE NUMBERS:</b>                     |   |                | <b>TOTAL HOURS</b> |
| CE BROKER: 20-739740 P.A.C.E.#: 511-079-21 |   |                | 12.5               |

# Florida Cytology Combo-19

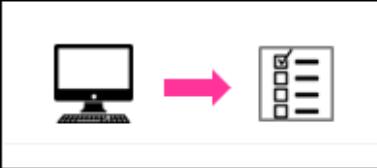
## Understanding the Course Formats:

### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

### Printed Book Only



Printed Books are **no longer available** for this FL Cyto. Combo Course. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of each PDF file if you prefer to have a printed copy.

## Common Asked Course Questions:

### QUESTION: Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile at the time of course completion.



### QUESTION: Why don't you mail Answer Sheets or Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Answer Sheets and Certificates as needed.

### QUESTION: Do you still offer a Printed Book for Cytology?

**ANSWER:** No. Two Reasons: 1.) The majority of orders that we received were for the Online Course, therefore, printing just a few books was not cost effective for the customer. 2.) Many times there are important color images in the Cytology courses, so black & white printing did not allow to reader to see important details of those images.

\* If you prefer a printed book, you are entitled to print 1 copy of the Online PDF files once you purchase the course.

### QUESTION: What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

### QUESTION: How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.



# Florida Initial Licensure Pkg.

This package includes the HIV/AIDS Update course required to apply for your Florida Lab License.

**NEW ON:** May 1, 2021

**THIS COURSE WILL BE UPDATED:** May 1, 2023



**IMPORTANT NOTE:** This course is only for Florida licensees. Be sure to order from the “Florida Mandatory” category.

## Florida Initial Licensure Package (Code: FI021)

### Formats Available: **Online Complete**

**Online Complete**

PDF Course Material + Online Quiz

With the Online Complete format, the purchaser receives the reading material in an online PDF document and an online quiz. One copy of the PDF file can be printed out or saved to a flash drive for future reference. Remember to save a copy of the document **before** completing the quiz.

**INDIVIDUAL PRICE:** \$10 for the Package

**SMALL GROUP PRICE:** \* \$5 /pp for the Package

\* Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching and larger lab discounts are available \*

## Course Titles Included:

| Section   | Title              | Category   | Contact Hrs        |
|---|--------------------|------------|--------------------|
| 1   | Update on HIV/AIDS | HIV Update | 1                  |
| <b>COURSE NUMBERS:</b> CE BROKER #: 20-655343 P.A.C.E.#: 511-073-21 |                    |            | <b>TOTAL HOURS</b> |
|   |                    |            | 1                  |

## Common Florida Mandatory Course Package Questions:

**QUESTION:** What happens once I complete this course?

**ANSWER:** Once you complete this course, you will send a copy of your certificate of completion with your application to the Florida Board of Clinical Lab Personnel (BCLP). If you already have a FL Lab license #, we report it to CE Broker.

**QUESTION:** Can I use this course if I'm Upgrading an EXISTING license to Supervisor?

**ANSWER: YES.** You can complete this course OR the Individual course title 1 Hr. HIV/AIDS Update, course code: **FM-1HIV021**.

**QUESTION:** Is this the correct course if this is my FIRST Florida renewal of an existing license?

**ANSWER: NO.** If this is your FIRST Florida renewal, order the Florida First Renewal Package, course code: **FF021**.

**QUESTION:** Is this the correct course if I am renewing an existing Florida Lab license?

**ANSWER: NO.** If you already have a FL Lab license, order the Florida Mandatory Course Package, course code: **FM021**.

**QUESTION:** Do I have to take Florida Mandatory courses EACH license cycle to renew my Florida Lab License?

**ANSWER: YES.** Starting with your first FULL renewal cycle, you will be required to take all 3 Florida Mandatory courses EACH license cycle in order to renew your Florida Lab License. Mandatory courses are part of the required 24 CE hours.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF FLORIDA INTITIAL LICENSURE SECTION\*\*\***



# Florida First Renewal Package

This package includes the 2 Mandatory courses required to renew your FL Lab License the first time.

**NEW ON:** May 1, 2021

**THIS COURSE WILL BE UPDATED:** May 1, 2023



**IMPORTANT NOTE:** This course is only for Florida licensees. Be sure to order from the "Florida Mandatory" category.

## Florida First Renewal Package (Code: FF021)

**Formats Available:** Online Complete

### Online Complete



PDF Course Material + Online Quiz

With the Online Complete format, the purchaser receives the reading material in an online PDF document and an online quiz. One copy of the PDF file can be printed out or saved to a flash drive for future reference. Remember to save a copy of the document **before** completing the quiz.

**INDIVIDUAL PRICE:** \$18 for the Package

**SMALL GROUP PRICE:** \* \$8/pp for the Package

\* Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching and larger lab discounts are available \*

## Course Titles Included:

| Section   | Title                        | Category       | Contact Hrs        |
|---|------------------------------|----------------|--------------------|
| 1   | Medical Errors in Healthcare | Medical Errors | 2                  |
| 2   | Update on HIV/AIDS           | HIV Update     | 1                  |
| <b>COURSE NUMBERS:</b> CE BROKER #: 20-655349 P.A.C.E.#: 511-072-21 |                              |                | <b>TOTAL HOURS</b> |
|   |                              |                | 3                  |

## Common Florida Mandatory Course Package Questions:

**QUESTION:** Does 4CEUINC report to Florida's CE Broker?

**ANSWER:** **YES.** We report to CE Broker immediately after course completion of online courses provided that your license # is in your profile at the time of course completion. We report under CEB# 50-2256.



**QUESTION:** Is this the correct course if I am applying for a NEW Florida Lab license?

**ANSWER:** **NO.** When applying for a NEW Florida license, order the Florida Initial Licensure Package, course code: **FI021**.

**QUESTION:** Is this the correct course if I am renewing an existing Florida Lab license?

**ANSWER:** **NO.** If you already have a FL Lab license, order the Florida Mandatory Course Package, course code: **FM021**.

**QUESTION:** Do I have to take Florida Mandatory courses EACH license cycle to renew my Florida Lab License?

**ANSWER:** **YES.** Starting with your first FULL renewal cycle, you will be required to take all 3 Florida Mandatory courses EACH license cycle in order to renew your Florida Lab License. Mandatory courses are part of the required 24 CE hours.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF FLORIDA FIRST RENEWAL PKG SECTION\*\*\***





# Florida Mandatory Package

This package includes the 3 Mandatory courses required to renew your Florida Lab License.

**NEW ON:** May 1, 2021

**THIS COURSE WILL BE UPDATED:** May 1, 2023



**IMPORTANT NOTE:** This course is only for Florida licensees. Be sure to order from the “Florida Mandatory” category.

## Florida Mandatory Course Package (Code: FM021)

**Formats Available:** Online Complete

### Online Complete



PDF Course Material + Online Quiz

With the Online Complete format, the purchaser receives the reading material in an online PDF document and an online quiz. One copy of the PDF file can be printed out or saved to a flash drive for future reference. Remember to save a copy of the document **before** completing the quiz.

**INDIVIDUAL PRICE:** \$22 for the Package

**SMALL GROUP PRICE:** \* \$12/pp for the Package

\* Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching and larger lab discounts are available \*

## Course Titles Included:

| Section   | Title                        | Category                  | Contact Hrs        |
|---|------------------------------|---------------------------|--------------------|
| 1   | Medical Errors in Healthcare | Medical Errors            | 2                  |
| 2   | Update on HIV/AIDS           | HIV Update                | 1                  |
| 3   | Florida Laws & Rules         | Laws & Rules of the Board | 1                  |
| <b>COURSE NUMBERS:</b> CE BROKER #: 20-655351 P.A.C.E.#: 511-074-21 |                              |                           | <b>TOTAL HOURS</b> |
|   |                              |                           | 4                  |

## Common Florida Mandatory Course Package Questions:

**QUESTION:** Does 4CEUINC report to Florida’s CE Broker?

**ANSWER:** **YES.** We report to CE Broker immediately after course completion of online courses provided that your license # is in your profile at the time of course completion. We report under CEB# 50-2256.



**QUESTION:** Is this the correct course if I am applying for a NEW Florida Lab license?

**ANSWER:** **NO.** When applying for a NEW Florida license, order the Florida Initial Licensure Package, course code: **FI021**.

**QUESTION:** Is this the correct course if this is my FIRST Florida renewal?

**ANSWER:** **NO.** If this is your FIRST Florida renewal, order the Florida First Renewal Package, course code: **FF021**.

**QUESTION:** Do I have to take Florida Mandatory courses EACH license cycle to renew my Florida Lab License?

**ANSWER:** **YES.** Starting with your first FULL renewal cycle, you will be required to take all 3 Florida Mandatory courses EACH license cycle in order to renew your Florida Lab License. Mandatory courses are part of the required 24 CE hours.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink “Register A New Group” button to fill out form.

**\*\*\*END OF FLORIDA MANDATORY PKG SECTION\*\*\***

- SECTION 7 -

## LABORATORY COMBOS

The Laboratory Combos provide multiple categories, available in 2 twelve-hour PARTS.

General Lab Combos and Histology Combos are available.



[Back to Index](#)

## Laboratory Combo Courses

**Formats Available:** \* Vary by course \* See each course section enclosed for details \*

|                        | COURSE MATERIAL |        | QUIZ             |        | S&H | NOTES  |
|------------------------|-----------------|--------|------------------|--------|-----|--|
|                        | PRINTED         | ONLINE | PAPER            | ONLINE |     |  |
| Printed Book Only (B)  | ✓               |        | Order Separately |        | ✓   | Printed material, shipped by US Post Office. |
| Answer Sheet Only (AS) |                 |        | ✓                | ✓      |     | You already have the reading material.       |
| Online Complete (O)    |                 | ✓      |                  | ✓      |     | Course material is in a color PDF file.      |
| Online Quiz Only (OQ)  |                 |        |                  | ✓      |     | You already have the reading material.       |

**NOTE:** All formats are not available for every Combo. See each Combo Course in this section for details.

## COMBO COURSES AT A GLANCE:

### LABORATORY COMBO COURSES

- ✓ **IMPORTANT:** Be sure to order from the Lab Combo and Histology Combo categories.
- ✓ Most currently released Combos are marked with a “NEW” graphic in the upper right corner.
- ✓ We offer General Lab and Histology Combo Courses.
- ✓ General Lab & Histology Combos come in 2 PARTS which can be completed during different years.
- ✓ All Combo Courses are active for 4 years from the date of release.
- ✓ A new Combo is available every 2 years in the Spring of odd numbered years.
- ✓ The number after the Combo name is the year that it was released. IE: -19 is 2019, -17 is 2017
- ✓ You must complete the entire Combo or Combo PART (I or II) to receive the contact hours.
- ✓ Combo Courses **can** be shared. Share reading material & coworkers buy quiz only or answer sheets.
- ✓ Only need a few course titles from the Combo? Order them from the Individual Course list section.

### FLORIDA CE BROKER

- ✓ **IMPORTANT:** Combos in this section **are not** for Florida licensees. Please see Section 6 for the Florida Licensee Combos if you have a Florida license.
- ✓ Our CE Broker number is 50-2256. We are registered under Continuing Education Unlimited.
- ✓ We report to CE Broker immediately, when you have a FL license # in your profile at the time of course completion.





# Laboratory Combo-19

The Laboratory Combo provides multiple categories, in two PARTS.

**NEW ON:** May 1, 2019

**RETIRED AFTER:** September 1, 2023

**NEW**

**IMPORTANT NOTE:** This course is for all Licensees except Florida. Be sure to order from the "Laboratory Combo" category. Are you a Florida Licensee? Be sure to order from the "Florida Laboratory Combo" category.

## Laboratory Combo-19 Both PARTS I & II (Code: 24-19)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

**Price:** \$75  
**Small Group Price: \*** \$55

**Online Quiz Only**

**Price:** \$38  
**Small Group Price: \*** \$33

**Printed Book Only**

**Black & White 3-hole punch**  
**\$47 + SH (+Tax in FL.)**

**Answer Sheet Only**

**YOU Print Scantron™**  
**Price:** \$45  
**Small Group Price: \*** \$40

\* Groups have 5+ people. Group price shown is avg. for smaller labs. \* Price matching and larger lab discounts are available.

### PART I - 12.5 Hours:

| Section                      | Title                                  | Category     | Contact Hrs |
|------------------------------|--|--------------|-------------|
| 1                            | Immunoglobulin Review: Ig Structure    | Serology     | 1           |
| 2                            | Immunoglobulin Review: Ig Types & Uses | Serology     | 3           |
| 3                            | Hand Hygiene                           | Safety       | 2.5         |
| 4                            | Medical Errors in Healthcare           | Management   | 2           |
| 5                            | Update on HIV/AIDS                     | Microbiology | 3           |
| 6                            | CLIA: A Brief Overview                 | Management   | 1           |
| <b>COURSE NUMBERS:</b>       |  |              |             |
| <b>CE BROKER:</b> 20-655357  |  |              |             |
| <b>P.A.C.E.#:</b> 511-075-19 |  |              |             |
| <b>TOTAL HOURS</b>           |  |              | <b>12.5</b> |

### PART II - 12 Hours:

| Section                      | Title  | Category            | Contact Hrs |
|------------------------------|--|---------------------|-------------|
| 1                            | Urine Collection Types: A Basic Review               | Chemistry           | 2           |
| 2                            | Heparin Induced Thrombocytopenia                     | Hematology          | 2           |
| 3                            | Transfusion Transmitted Infections Overview          | Immunochemistry     | 1           |
|                              |  | Blood Banking       | 1           |
| 4                            | Understanding Sepsis                                 | Microbiology        | 2           |
| 5                            | Use of Nucleic Acid Testing in Molecular Diagnostics | Molecular Pathology | 2           |
| 6                            | Introduction to Immunology and Immunopathology       | Serology            | 2           |
| <b>COURSE NUMBERS:</b>       |  |                     |             |
| <b>CE BROKER:</b> 20-655355  |  |                     |             |
| <b>P.A.C.E.#:</b> 511-076-19 |  |                     |             |
| <b>TOTAL HOURS</b>           |  |                     | <b>12</b>   |

# Florida Laboratory Combo-19

## Laboratory Combo-19 PART I ONLY

**Formats Available:** Group pricing not available when purchasing PART I only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida Laboratory Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** 24-19-I

**CE BROKER:** 20-655357

**P.A.C.E.#:** 511-075-19

| Section            | Title                                  | Category     | Contact Hrs |
|--------------------|--|--------------|-------------|
| 1                  | Immunoglobulin Review: Ig Structure    | Serology     | 1           |
| 2                  | Immunoglobulin Review: Ig Types & Uses | Serology     | 3           |
| 3                  | Hand Hygiene                           | Safety       | 2.5         |
| 4                  | Medical Errors in Healthcare           | Management   | 2           |
| 5                  | Update on HIV/AIDS                     | Microbiology | 3           |
| 6                  | CLIA: A Brief Overview                 | Management   | 1           |
| <b>TOTAL HOURS</b> |  |              | <b>12.5</b> |

## Laboratory Combo-19 PART II ONLY

**Formats Available:** Group pricing not available when purchasing PART II only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida Laboratory Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** 24-19-II

**CE BROKER:** 20-655357

**P.A.C.E.#:** 511-076-19

| Section            | Title  | Category            | Contact Hrs |
|--------------------|--|---------------------|-------------|
| 1                  | Urine Collection Types: A Basic Review               | Chemistry           | 2           |
| 2                  | Heparin Induced Thrombocytopenia                     | Hematology          | 2           |
| 3                  | Transfusion Transmitted Infections Overview          | Immunoematology     | 1           |
|                    |  | Blood Banking       | 1           |
| 4                  | Understanding Sepsis                                 | Microbiology        | 2           |
| 5                  | Use of Nucleic Acid Testing in Molecular Diagnostics | Molecular Pathology | 2           |
| 6                  | Introduction to Immunology and Immunopathology       | Serology            | 2           |
| <b>TOTAL HOURS</b> |  |                     | <b>12</b>   |

## Florida Laboratory Combo-19

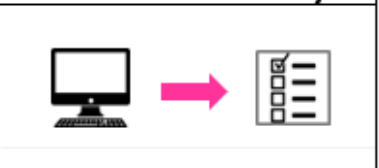
### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



With the Printed Book Only format, the purchaser will receive the printed Combo material mailed to them via the US Post Office. This can be purchased on its own or paired with an Online Quiz Only or Answer Sheet Only. This option has a shipping fee added, plus tax when shipped to FL. Copies are Black & White, with 3-holes punched, **YOU supply the binder**.

#### Answer Sheet Only



With the Answer Sheet Only format, the purchaser will receive a printable Answer Sheet which can be faxed back to our office or uploaded into your online profile. **Changes:** 1.) **YOU** will print your Answer Sheets from your "My Courses" list – this will allow you to reprint the sheets as needed. 2.) **YOU** will print your Certificate from your "Course History" list.

### Common Laboratory Combo Course Questions:

**QUESTION:** Is this the correct course if I have a FLORIDA Lab license?

**ANSWER:** **NO.** If you have a Florida license, you would order the Florida Lab Combo so that it includes all of your Florida Mandatory courses and gets reported to CE Broker. The current Florida Lab Combo course code is: **24F-19.**

**QUESTION:** Why don't you mail Answer Sheets or Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Answer Sheets and Certificates as needed.

**QUESTION:** Does the Printed Book Only come with a 3-ring binder this year?

**ANSWER:** **No.** Reason: This new Combo is larger & is too thick for a 1 inch binder and the 1.5 inch binders were getting damaged in transit. We apologize for any inconvenience this may cause. The printed book + Answer Sheets (or online quiz) when added together are priced less than last yr. to reflect the change.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF LABORATORY COMBO-19 SECTION\*\*\***





# Laboratory Combo-17

The Laboratory Combo provides multiple categories in two parts.

**NEW ON:** May 1, 2017

**RETIRED AFTER:** September 1, 2021



**IMPORTANT NOTE:** This course is for all Licensees except Florida. Be sure to order from the "Laboratory Combo" category. Are you a Florida Licensee? Be sure to order from the "Florida Laboratory Combo" category.

## Laboratory Combo-17 Both PARTS I & II (Code: 24-17)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

Price: **\$75**

**Online Quiz Only**

Price: **\$38**

**NOTE:** group pricing is no longer available for this course code.

### PART II - 12.5 hrs.

| Section                | Title  | Category               | Contact Hrs |
|------------------------|--|------------------------|-------------|
| 1                      | Zika Virus: Update and Overview                  | Microbiology           | 1           |
| 2                      | Employee Files - Don't Get Lost in the Paperwork | Management/Supervision | 1           |
| 3                      | Patient Injuries Caused by Phlebotomy            | General/Phlebotomy     | 2.5         |
| 4                      | Histological Stains: A Historical Review         | Histology              | 2           |
| 5                      | X and Y Chromosomes: A Basic Review              | Cytogenetics           | 1           |
| 6                      | Medical Errors in Healthcare                     | Medical Errors         | 2           |
| 7                      | Update on HIV/AIDS                               | HIV Update             | 2           |
| 8                      | FL Lab Laws and Rules                            | Laws and Rules         | 1           |
| <b>COURSE NUMBERS:</b> |  |                        |             |
| CE BROKER: 20-572891   |  |                        |             |
| P.A.C.E.#: 511-055-17  |  |                        |             |
| <b>TOTAL HOURS</b>     |  |                        | <b>12.5</b> |

### PART II - 12 hrs.

| Section                | Title  | Category            | Contact Hrs |
|------------------------|--|---------------------|-------------|
| 1                      | Hyponatremia   | Chemistry           | 2           |
| 2                      | Factor XIII Review   | Hematology          | 2           |
| 3                      | Blood Component Processing, Storage, Special Preparation & Labelling | Immunoematology     | 1           |
|                        |  | Blood Banking       | 1           |
| 4                      | Bioterrorism - A Worldwide Threat                                    | Microbiology        | 2           |
| 5                      | Genetic Testing: A Basic Review                                      | Molecular Pathology | 2           |
| 6                      | Stevens Johnson Syndrome and Toxic Epidermal Necrolysis              | Serology            | 2           |
| <b>COURSE NUMBERS:</b> |  |                     |             |
| CE BROKER: 20-572903   |  |                     |             |
| P.A.C.E.#: 511-056-17  |  |                     |             |
| <b>TOTAL HOURS</b>     |  |                     | <b>12</b>   |

## ■ Laboratory Combo-17



### Laboratory Combo-17 PART I ONLY

**Formats Available:** Group pricing not available when purchasing PART I only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida Laboratory Combo-17. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** 24-17-I

**CE BROKER:** 20-572891

**P.A.C.E.#:** 511-055-17

| Section            | Title  | Category               | Contact Hrs |
|--------------------|--|------------------------|-------------|
| 1                  | Zika Virus: Update and Overview                  | Microbiology           | 1           |
| 2                  | Employee Files - Don't Get Lost in the Paperwork | Management/Supervision | 1           |
| 3                  | Patient Injuries Caused by Phlebotomy            | General/Phlebotomy     | 2.5         |
| 4                  | Histological Stains: A Historical Review         | Histology              | 2           |
| 5                  | X and Y Chromosomes: A Basic Review              | Cytogenetics           | 1           |
| 6                  | Medical Errors in Healthcare                     | Medical Errors         | 2           |
| 7                  | Update on HIV/AIDS                               | HIV Update             | 2           |
| 8                  | FL Lab Laws and Rules                            | Laws and Rules         | 1           |
| <b>TOTAL HOURS</b> |  |                        | <b>12.5</b> |

### Laboratory Combo-17 PART II ONLY

**Formats Available:** Group pricing not available when purchasing PART II only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida Laboratory Combo-17. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** 24-17-II

**CE BROKER:** 20-572903

**P.A.C.E.#:** 511-056-17

| Section            | Title  | Category            | Contact Hrs |
|--------------------|--|---------------------|-------------|
| 1                  | Hyponatremia   | Chemistry           | 2           |
| 2                  | Factor XIII Review   | Hematology          | 2           |
| 3                  | Blood Component Processing, Storage, Special Preparation & Labelling | Immunohematology    | 1           |
|                    |  | Blood Banking       | 1           |
| 4                  | Bioterrorism - A Worldwide Threat                                    | Microbiology        | 2           |
| 5                  | Genetic Testing: A Basic Review                                      | Molecular Pathology | 2           |
| 6                  | Stevens Johnson Syndrome and Toxic Epidermal Necrolysis              | Serology            | 2           |
| <b>TOTAL HOURS</b> |  |                     | <b>12</b>   |

## ■ Laboratory Combo-17



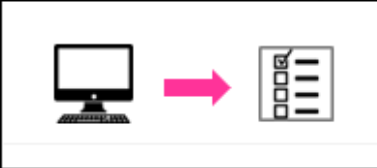
### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

### Common Florida Lab Combo Course Questions:

**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** **Yes.** We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile **at the time of course completion.**



**QUESTION:** Why don't you mail Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Certificates as needed.

**QUESTION:** What are your provider numbers?

**ANSWER:** **ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256**

**QUESTION:** Do you offer a printed book for this course code?

**ANSWER:** **No.** We only offer a printed book for the "New" Combo course codes. Please look for the **NEW** image in the upper right corner of that course document section. New Combos are released every 2 years.



**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF LABORATORY COMBO-17 SECTION\*\*\***



# Histology Combo-19

The Histology Combo provides multiple categories, including Histology & Immunohistochemistry.

**NEW ON:** May 1, 2019

**RETIRED AFTER:** September 1, 2023

**NEW**

**IMPORTANT NOTE:** This course is for all Licensees except Florida. Be sure to order from the “Histology Combo” category. Are you a Florida Licensee? Be sure to order from the “Florida Histology Combo” category..

## Histology Combo-19 Both PARTS I & II (Code: H24-19)

**Formats Available:** With this option, you are purchasing both PARTS I & II

| Online Complete      |      |
|----------------------|------|
|                      |      |
| Price:               | \$75 |
| Small Group Price: * | \$55 |

| Online Quiz Only     |      |
|----------------------|------|
|                      |      |
| Price:               | \$38 |
| Small Group Price: * | \$33 |

| Printed Book Only  |
|--|
| Not available for Histology, however, Online PDF files can be printed out. |

| Answer Sheet Only    |      |
|----------------------|------|
|                      |      |
| YOU Print the A.S.   |      |
| Price:               | \$45 |
| Small Group Price: * | \$40 |

\* Groups have 5+ people. Group price shown is avg. for smaller labs. \* Price matching and larger lab discounts are available.

### PART I - 12.5 Hours:

| Section                      | Title                                  | Category     | Contact Hrs |
|------------------------------|--|--------------|-------------|
| 1                            | Immunoglobulin Review: Ig Structure    | Serology     | 1           |
| 2                            | Immunoglobulin Review: Ig Types & Uses | Serology     | 3           |
| 3                            | Hand Hygiene                           | Safety       | 2.5         |
| 4                            | Medical Errors in Healthcare           | Management   | 2           |
| 5                            | Update on HIV/AIDS                     | Microbiology | 3           |
| 6                            | CLIA: A Brief Overview                 | Management   | 1           |
| <b>COURSE NUMBERS:</b>       |  |              |             |
| <b>CE BROKER:</b> 20-655357  |  |              |             |
| <b>P.A.C.E.#:</b> 511-077-19 |  |              |             |
| <b>TOTAL HOURS</b>           |  |              | <b>12.5</b> |

### PART II - 12 Hours:

| Section                      | Title   | Category             | Contact Hrs |
|------------------------------|---|----------------------|-------------|
| 1                            | Antigen Retrieval for Light and Electron Microscopy             | Immunohistochemistry | 3           |
| 2                            | Detection Systems in Immunohistochemistry                       | Immunohistochemistry | 3           |
| 3                            | Histological Stains: A Literature Review and Case Study         | Histology            | 1           |
| 4                            | The Role of Technical Quality Control in Histology Laboratories | Histology            | 1           |
| 5                            | Histological Microtechniques                                    | Histology            | 2           |
| 6                            | Use of Nucleic Acid Testing in Molecular Diagnostics            | Molecular Pathology  | 2           |
| <b>COURSE NUMBERS:</b>       |   |                      |             |
| <b>CE BROKER:</b> 20-716272  |   |                      |             |
| <b>P.A.C.E.#:</b> 511-078-19 |   |                      |             |
| <b>TOTAL HOURS</b>           |   |                      | <b>12</b>   |

# ■ Histology Combo-19



## Laboratory Combo-19 PART I ONLY

**Formats Available:** Group pricing not available when purchasing PART I only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART I of the Florida **Laboratory** Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** H24-19-I

**CE BROKER:** 20-655357

**P.A.C.E.#:** 511-077-19

| Section            | Title                                  | Category     | Contact Hrs |
|--------------------|--|--------------|-------------|
| 1                  | Immunoglobulin Review: Ig Structure    | Serology     | 1           |
| 2                  | Immunoglobulin Review: Ig Types & Uses | Serology     | 3           |
| 3                  | Hand Hygiene                           | Safety       | 2.5         |
| 4                  | Medical Errors in Healthcare           | Management   | 2           |
| 5                  | Update on HIV/AIDS                     | Microbiology | 3           |
| 6                  | CLIA: A Brief Overview                 | Management   | 1           |
| <b>TOTAL HOURS</b> |  |              | <b>12.5</b> |

## Histology Combo-19 PART II ONLY

**Formats Available:** Group pricing not available when purchasing PART II only.

**Online Complete**

**\$44**

**Online Quiz Only**

**\$23.50**

When choosing this option, you are **ONLY** purchasing PART II of the Florida **Histology** Combo-19. If you need 24.5 hours be sure to choose the full Combo - previous page.

**COURSE NUMBERS:**

**COURSE CODE:** H24-19-II

**CE BROKER:** 20-716272

**P.A.C.E.#:** 511-078-19

| Section            | Title   | Category             | Contact Hrs |
|--------------------|---|----------------------|-------------|
| 1                  | Antigen Retrieval for Light and Electron Microscopy             | Immunohistochemistry | 3           |
| 2                  | Detection Systems in Immunohistochemistry                       | Immunohistochemistry | 3           |
| 3                  | Histological Stains: A Literature Review and Case Study         | Histology            | 1           |
| 4                  | The Role of Technical Quality Control in Histology Laboratories | Histology            | 1           |
| 5                  | Histological Microtechniques                                    | Histology            | 2           |
| 6                  | Use of Nucleic Acid Testing in Molecular Diagnostics            | Molecular Pathology  | 2           |
| <b>TOTAL HOURS</b> |   |                      | <b>12</b>   |

## ■ Histology Combo-19



### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, or your employer, which you can pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **no longer available** for this FL Histo. Combo Course. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of each PDF file if you prefer to have a printed copy.

### Common Histology Combo Course Questions:

**QUESTION:** Is this the correct course if I have a FLORIDA Histology license?

**ANSWER:** **NO.** If you have a Florida license, you would want to order the Florida Histo Combo so that it includes all your Florida Mandatory courses and gets reported to CE Broker. The current Florida Histo Combo course code is: **H24F-19.**

**QUESTION:** What's the difference between the Florida Histology Combo and the Histology Combo?

**ANSWER:** All of our Florida Combos, including the FL Histology Combo, have the Florida Mandatory courses in PART I. Non-Florida Combos, such as this one, have the Florida Laws & Rules course in PART I replaced by a different course title, while PART II of the Combos have the same course titles for both Florida and Non-Florida Combos.

**QUESTION:** Why don't you mail Answer Sheets or Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Answer Sheets and Certificates as needed.

**QUESTION:** \* Why don't you offer the Histology Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

**\*\*\*END OF HISTOLOGY COMBO-19 SECTION\*\*\***





# Histology Combo-17

The Histology Combo provides courses in Histology & Immunohistochemistry categories.

**NEW ON:** May 1, 2017

**RETIRED AFTER:** September 1, 2021

**IMPORTANT NOTE:** This course is for all Licensees except Florida. Be sure to order from the “Histology Combo” category. Are you a Florida Licensee? Be sure to order from the “Florida Histology Combo” category.

## Histology Combo-17 (Code: H14-17)

**Formats Available:** With this option, you are purchasing both PARTS I & II

**Online Complete**

Price: \$75

**Online Quiz Only**

Price: \$38

**Printed Book Only**

Not available for Histology, however, Online PDF files can be printed out.

**NOTE:** group pricing is no longer available for this course code.

## Course Titles Included:

### 14 Hours:

| Section                | Title   | Category              | Contact Hrs        |
|------------------------|---|-----------------------|--------------------|
| 1                      | Artifacts in Histopathology: A Potential Cause of Misinterpretation | Histology             | 2                  |
| 2                      | Mohs Micrographic Surgery Overview                                  | Histology             | 2                  |
| 3                      | Microwave Assisted Tissue Preparation                               | Histology             | 1                  |
| 4                      | IHC in Cervical Cancer  | IHC/Adv. Histology    | 1                  |
| 5                      | IHC in Breast Pathology   | IHC/Adv. Histology    | 2                  |
| 6                      | Histology of Normal Tissues   | Histology             | 3.5                |
| 7                      | Biosafe Substitutes to Xylene: A Review                             | Histology             | 0.5                |
| 8                      | Histology Stains: A Historical Review                               | Histology             | 2                  |
| <b>COURSE NUMBERS:</b> |   |                       | <b>TOTAL HOURS</b> |
| CE BROKER: 20-585319   |   | P.A.C.E.#: 511-068-17 | 14                 |

## ■ Histology Combo-17

### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, your employer, or you can purchase the 'printed book only' option to pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **no longer available** for this FL Histo. Combo Course. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of each PDF file if you prefer to have a printed copy.

### Common Florida Lab Combo Course Questions:


**QUESTION:** Do you report to Florida's CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile at the time of course completion.

**QUESTION:** Why don't you mail Certificates of Completion any longer?

**ANSWER:** There are several reasons, including: ongoing mail delivery problems, timely reporting to CE Broker, and online access allows you to reprint Certificates as needed.

**QUESTION:** Is this course code the new Histology Combo?

**ANSWER:** No. You can see the "New On" date on the top of the 1<sup>st</sup> page. Also, look for the  image in the upper right corner of the Combo documents for the new Combos, which are released every 2 years.

**QUESTION:** \* Why don't you offer the Florida Histology Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

- SECTION 8 -

## PHLEBOTOMY COMBOS

The Phlebotomy Combos package several titles and categories together that are suitable for Phlebotomists and Lab Assistants.

6 Hour, 9 Hour, and 14 Hour packages available.



[Back to Index](#)

## ■ Phlebotomy Combo Courses



### Formats Available:

- ✓ **Online Complete:** Online course material is delivered as a PDF Document.
- ✓ Quiz questions are answered online.

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- ✓ **Online Quiz Only:** You already have the reading material.
- ✓ Quiz questions are answered online.

## PHLEBOTOMY COMBOS AT A GLANCE:

### GENERAL

- ✓ **IMPORTANT:** Be sure to order from the Phlebotomy Combo category.
- ✓ Most currently released Combos are marked with a “NEW” graphic in the upper right corner.
- ✓ We offer 6 hour, 9 hour, and 14 hour Phlebotomy Combos.
- ✓ Phlebotomy Combos have a mix of course titles suitable for Phlebotomists & Lab Assistants.
- ✓ All Phlebotomy Combo Courses are active for 4 years from the date of release.
- ✓ A new Phlebotomy Combo is available every 2 years in the Late Fall of odd numbered years.
- ✓ The number after the Combo name is the year that it was released. IE: -19 is 2019, -17 is 2017
- ✓ You must complete the entire Combo Course to receive the contact hours.
- ✓ Combo Courses **can** be shared. Share your reading material & coworkers buy the online quiz only.
- ✓ Only need a few course titles from the Combo? Order them from the Individual Course list section.

### COMPLETING COURSES

- ✓ Course Material is accessed online through the “My Courses” link in your online profile.
- ✓ You can print out 1 copy of the reading material to read offline.
- ✓ You can save the reading material for future reference – save **before** completing quiz.
- ✓ You can print out a copy of the final quiz questions to circle off your answers while reading.
- ✓ Quiz answers are entered online, and grading is immediate with correct & incorrect marked.
- ✓ Print your certificate immediately from your “Course History”.
- ✓ Download a copy of the Online Instructions document at [http://www.4ceuinc.com/Online\\_Instructions.pdf](http://www.4ceuinc.com/Online_Instructions.pdf)

### GROUP ORDERING

- ✓ Discounted pricing is available to groups of 5 or more when you set up a Group Account.
- ✓ Group participants can be all Phlebotomists or a combination of Techs & Phlebotomists.
- ✓ [Click here](#) to learn more about Groups, or to “Register A New Group”.



# 6 Hr Phlebotomy Combo-17

This Phlebotomy Combo provides 6 hours of Phlebotomy & related topics to renew your license.

**NEW ON:** August 1, 2017

**RETIRED AFTER:** November 1, 2021



**IMPORTANT NOTE:** You can order this course from the “Phlebotomy Combo Packages” category.

## 6 Hour Phlebotomy Combo-17 (Code: 6PH-17)

### Formats Available:

**Online Complete**

**Price:** \$30  
**Group Price:** \* [Contact Us](#)

**Online Quiz Only**

**Price:** \$15  
**Group Price:** \* [Contact Us](#)

**Printed Book Only**

Not available for Phlebotomy, however, Online PDF files can be printed out.

**Group Pricing**

Cost is dependent on the # of participants & whether the facility or the employees pay.

\*Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* [Price matching](#) & larger lab discounts are available.

**PLEASE NOTE:** This course requires that you complete both sections in this Combo Course.

### 6 Hours:



| Section                | Title                                     | Category              | Contact Hrs                  |
|------------------------|---|-----------------------|------------------------------|
| 1                      | Common Preanalytical Errors in Phlebotomy | Phlebotomy            | 3.5                          |
| 2                      | Patient Injuries Caused by Phlebotomy     | Phlebotomy            | 2.5                          |
| <b>COURSE NUMBERS:</b> |   | <b>CE BROKER:</b> N/A | <b>P.A.C.E.#:</b> 511-048-17 |
|                        |   |                       | <b>TOTAL HOURS</b> 6         |



The above titles are also available as individual courses. Need more Phlebotomy hours? Try our:

- 9 Hour Phlebotomy Combo (9PH-17) **OR**
- 14 Hour Phlebotomy Combo (14PH-17)

## 6 Hour Phlebotomy Combo-17



### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, or your employer, which you can pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **not available** for this Phlebotomy Combo Courses. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of the PDF file if you prefer to have a printed copy.

### Common Phlebotomy Combo Course Questions:

**QUESTION:** I only need a few contact hours; can I purchase the associated course titles separately?

**ANSWER:** Yes. You may purchase the course titles in any of our Combo Courses separately. Just visit our website and locate the category listed next to the course name on the previous page. There you will be able to purchase that title.

**QUESTION:** Will these courses be accepted for my license renewal?

**ANSWER:** Most states and certification agencies (ASCP, California Dept of Health, etc.) that require phlebotomy continuing education will accept these courses. If you are unsure if your license or certification issuer accepts continuing education approved by CA, FL, or ASCLS P.A.C.E., please check with them directly.

**QUESTION:** \* Why don't you offer the Phlebotomy Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.



# 9 Hr Phlebotomy Combo-17

This Phlebotomy Combo provides 9 hours of Phlebotomy & related topics to renew your license.

**NEW ON:** August 1, 2017

**RETIRED AFTER:** November 1, 2021



**IMPORTANT NOTE:** You can order this course from the “Phlebotomy Combo Packages” category.

## 9 Hour Phlebotomy Combo-17 (Code: 9PH-17)

### Formats Available:

**Online Complete**

**Price:** \$38  
**Group Price:** \* [Contact Us](#)

**Online Quiz Only**

**Price:** \$20  
**Group Price:** \* [Contact Us](#)

**Printed Book Only**

Not available for Phlebotomy, however, Online PDF files can be printed out.

**Group Pricing**

Cost is dependent on the # of participants & whether the facility or the employees pay.

\*Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* [Price matching](#) & larger lab discounts are available.

**PLEASE NOTE:** This course requires that you complete all sections in this Combo Course.

### 9 Hours:

| Section            | Title                                     | Category   | Contact Hrs |
|--------------------|---|------------|-------------|
| 1                  | Common Preanalytical Errors in Phlebotomy | Phlebotomy | 3.5         |
| 2                  | Patient Injuries Caused by Phlebotomy     | Phlebotomy | 2.5         |
| 3                  | Personal Protective Equipment             | Safety     | 1           |
| 4                  | Specimen Collection: A Basic Review       | Phlebotomy | 2           |
| <b>TOTAL HOURS</b> |   |            | <b>9</b>    |

**COURSE NUMBERS:**

**CE BROKER:** N/A

**P.A.C.E.#:** 511-049-17



The above titles are also available as individual courses. Need more Phlebotomy hours? Try our:

- 6 Hour Phlebotomy Combo (6PH-17) **OR**
- 14 Hour Phlebotomy Combo (14PH-17)

## 9 Hour Phlebotomy Combo-17



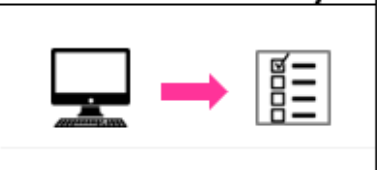
### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, or your employer, which you can pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **not available** for this Phlebotomy Combo Courses. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of the PDF file if you prefer to have a printed copy.

### Common Phlebotomy Combo Course Questions:

**QUESTION:** I only need a few contact hours; can I purchase the associated course titles separately?

**ANSWER:** Yes. You may purchase the course titles in any of our Combo Courses separately. Just visit our website and locate the category listed next to the course name on the previous page. There you will be able to purchase that title.

**QUESTION:** Will these courses be accepted for my license renewal?

**ANSWER:** Most states and certification agencies (ASCP, California Dept of Health, etc.) that require phlebotomy continuing education will accept these courses. If you are unsure if your license or certification issuer accepts continuing education approved by CA, FL, or ASCLS P.A.C.E., please check with them directly.

**QUESTION:** \* Why don't you offer the Phlebotomy Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.





# 14 Hr Phlebotomy Combo-17

This Phlebotomy Combo provides 14 hours of Phlebotomy & related topics to renew your license.

**NEW ON:** August 1, 2017

**RETIRED AFTER:** November 1, 2021



**IMPORTANT NOTE:** You can order this course from the “Phlebotomy Combo Packages” category.

## 14 Hour Phlebotomy Combo-17 (Code: 14PH-17)

### Formats Available:

| Online Complete       |                   |
|-----------------------|-------------------|
|                       |                   |
| <b>Price:</b>         | <b>\$48</b>       |
| <b>Group Price: *</b> | <b>Contact Us</b> |

| Online Quiz Only      |                   |
|-----------------------|-------------------|
|                       |                   |
| <b>Price:</b>         | <b>\$27</b>       |
| <b>Group Price: *</b> | <b>Contact Us</b> |

| Printed Book Only   |
|---|
| Not available for Phlebotomy, however, Online PDF files can be printed out. |

| Group Pricing   |
|---|
| Cost is dependent on the # of participants & whether the facility or the employees pay. |

\*Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching & larger lab discounts are available.

**PLEASE NOTE:** This course requires that you complete all sections in this Combo Course.

### 14 Hours:

| Section | Title  | Category           | Contact Hrs |
|---------|--|--------------------|-------------|
| 1       | Preanalytical Errors in Specimen Collection            | Phlebotomy         | 3.5         |
| 2       | Patient Injuries Caused by Phlebotomy                  | Phlebotomy         | 2.5         |
| 3       | Personal Protective Equipment                          | Safety             | 1           |
| 4       | Specimen Collection: A Basic Review                    | Phlebotomy         | 2           |
| 5       | Zika Virus Update                                      | Microbiology       | 1           |
| 6       | Update on HIV/AIDS                                     | HIV Update         | 2           |
| 7       | Human Blood Composition: Review of Cellular Components | Phlebotomy/General | 2           |

**COURSE NUMBERS:**

**CE BROKER:** N/A

**P.A.C.E.#:** 511-050-17

**TOTAL HOURS**

**14**



The above titles are also available as individual courses. Need less Phlebotomy hours? Try our:

- 6 Hour Phlebotomy Combo (6PH-17) **OR**
- 9 Hour Phlebotomy Combo (9PH-17)

## 14 Hour Phlebotomy Combo-17



### Understanding the Course Formats:

#### Online Complete



With the Online Complete format, the purchaser receives the reading material in an online document – typically a PDF file – and an online quiz. One copy of the document can be printed out or can be saved to a flash drive to be shared with coworkers or saved for future reference. Remember to save a copy of the document **before** completing the quiz.

#### Online Quiz Only



With the Online Quiz Only format, the purchaser only receives access to the online quiz. You must have access to the reading material, either through a coworker, or your employer, which you can pair with the online quiz. Most people print out a copy of the quiz & work offline, before entering their answers in the live quiz.

#### Printed Book Only



Printed Books are **not available** for this Phlebotomy Combo Courses. \*

This course consists of an online PDF file. Once purchased, you are entitled to print 1 copy of the PDF file if you prefer to have a printed copy.

### Common Phlebotomy Combo Course Questions:

**QUESTION:** I only need a few contact hours; can I purchase the associated course titles separately?

**ANSWER:** Yes. You may purchase the course titles in any of our Combo Courses separately. Just visit our website and locate the category listed next to the course name on the previous page. There you will be able to purchase that title.

**QUESTION:** Will these courses be accepted for my license renewal?

**ANSWER:** Most states and certification agencies (ASCP, California Dept of Health, etc.) that require phlebotomy continuing education will accept these courses. If you are unsure if your license or certification issuer accepts continuing education approved by CA, FL, or ASCLS P.A.C.E., please check with them directly.

**QUESTION:** \* Why don't you offer the Phlebotomy Combo in the Printed Book format?

**ANSWER:** Two reasons: 1.) Depending on the course there may be color images, which are important to view in color or may have references to colors in the image. 2.) We had very few requests for printed books, so it was not cost effective to have them printed any longer.

**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.

- SECTION 9 -

## Textbooks

This section includes clinical laboratory related textbooks.

**NOTE:** We are currently only offering one textbook at this time.



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# ADVERTISE YOUR JOB OPENINGS

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- Search posted resumes

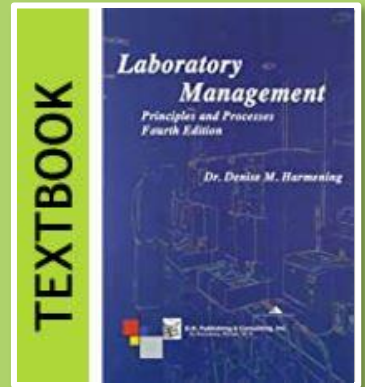


# Laboratory Management: Principles and Processes

This textbook provides 48 hours in Management/Supervision provided in **four 12-hour PARTS.**

**TEXTBOOK EDITION:** 4<sup>th</sup> Edition

**CONTACT HOURS:** 48 Hours



**VERY IMPORTANT NOTE:** This course is **NOT** for “Supervisor Upgrades” for Florida or Tennessee. For those courses, please visit the “Florida Supervisor Upgrade” and the “Tennessee Supervisor Upgrade” categories.

## Lab Management: Principles and Processes (Code: SU028)

### Order From Category: Management / Supervision

**Format:** Textbook with Online Quiz

**COURSE NUMBERS:**

FL CE BROKER #: N/A

P.A.C.E. Approved: Yes

**Online Complete**

**Textbook + Online Quiz**

**IMPORTANT NOTE:** This course is currently unavailable and is in the process of being updated.

**Format:** Online Quiz Only

**Online Quiz Only**

**Quiz Answered Online**

Please check back in mid-2022.

## Commonly Asked Questions:

**QUESTION:** Can I use this course for the Florida Supervisor Upgrade?

**ANSWER:** **No.** Although the textbook is the same, this course code is **not** for the Florida Supervisor Upgrade. For the Supervisor Upgrade courses, please visit the “Florida Supervisor Upgrade” category - this is **VERY** important!

**QUESTION:** Can I use this course for the Tennessee Supervisor Upgrade?

**ANSWER:** **No.** Although the textbook is the same, this course code is **not** for the Tennessee Supervisor Upgrade. For the Supervisor Upgrade courses, please visit the “Tennessee Supervisor Upgrade” category - this is **VERY** important!

**QUESTION:** What Textbook is used for this course?

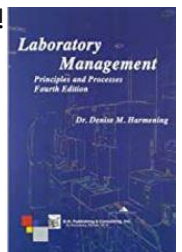
**ANSWER:** Laboratory Management: Principles & Processes, 4<sup>th</sup> Edition (black cover) by Dr. Denise Hamening.

**QUESTION:** What are your provider numbers?

**ANSWER:** ASCLS P.A.C.E. #: 511 | California AA #: 0001 | Florida CE Broker #: 50-2256

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink “Register A New Group” button to fill out form.



# Laboratory Management: Principles and Processes



This course consists of four 12-hour PARTS, which can be completed at different times to accommodate your license cycle.

## PART I - 12 Hours

Pages: 1 to 112

Quiz Questions: 46

- Quality Management in the Laboratory
- Organizational Structure at Concentration Models
- Principles of Leadership and Management
- Management Functions

## PART II - 12 Hours

Pages: 113 to 230

Quiz Questions: 46

- Quality Management in the Laboratory
- Organizational Structure at Concentration Models
- Principles of Leadership and Management
- Management Functions

Pages: 231 to 376

Quiz Questions: 46

- Quality Management in the Laboratory
- Organizational Structure at Concentration Models
- Principles of Leadership and Management
- Management Functions

## PART IV - 12 Hours

Pages: 377 to 512

Quiz Questions: 46

- Compliance Issues—The Laboratory's Role
- Process Designs—Workflows and Staffing
- Laboratory Information Systems: Flexibility is the Key to Modernization
- Marketing Concepts
- Ethical Issues in Laboratory Management
- Career Planning & Professional Development
- Glossary

Currently  
Unavailable  
for Updating.  
Check back  
in Mid-2022.

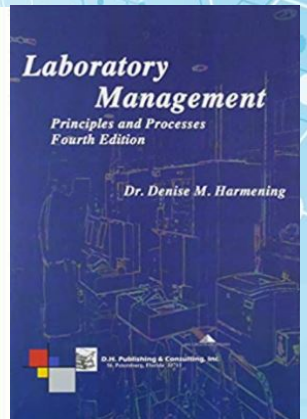
- SECTION 10 -

## Supervisor Upgrade Courses

This section has the Supervisor Upgrade courses specifically for Tennessee and Florida.

- 37 hr course for Tennessee -and-
- 25 hr and 48 hr courses for Florida

TEXTBOOK



[Back to Index](#)

# Supervisor Upgrade Courses



## Formats Available:

- Online Complete Course:**
  - ✓ Textbook (reading material) is shipped by USPS.
  - ✓ Quiz questions are answered online.
- Online Quiz Only:**
  - ✓ Quiz questions are answered online.

## SUPERVISOR UPGRADE COURSES AT A GLANCE:

### FLORIDA LICENSEES

- ✓ There are two FL courses: 25 hr Florida Supervisor Upgrade AND 48 hr Florida Histology Supervisor Upgrade.
- ✓ These courses are **only** for Florida licensees upgrading to Supervisor or Director.
- ✓ **IMPORTANT:** Contact hours from these courses **cannot** be used for Florida license renewal.
- ✓ **IMPORTANT:** Order these courses from the -Florida Supervisor Upgrade category, **not** the Management/Supervision category.
- ✓ **IMPORTANT:** The FL BCLP requires that you also complete a separate 1 hour HIV/AIDS Update course.
- ✓ Per the FL BCLP, these courses **do not** get reported to CE Broker because they are not for renewal.
- ✓ Once you complete the course, YOU will print your certificate and forward it to the FL BCLP.
- ✓ Existing Florida Licensees, Supervisor Upgrade courses are **in addition** to your renewal hours.
- ✓ **HISTOLOGY:** Check with the FL BCLP to confirm qualifications as there are multiple paths for upgrade.
- ✓ Visit the [Florida BCLP website](#) for more information on requirements and applications.

### - - FLORIDA SUPERVISOR UPGRADE – 25 CONTACT HOURS (Code: FSU020)

- ✓ This 25 hr course is for Florida General Lab Licensees applying for a Supervisor or Director level.
- ✓ This course is for Histology Licensees that need 25 hours of Management. \*Please check with the FL BCLP to confirm qualifications, as some in Histology may need 48 hours of Management.

### - - FLORIDA HISTOLOGY SUPERVISOR UPGRADE – 48 contact hours (Code: HFSU020)

- ✓ This 48 hr course is for Florida Histology licensees that need 48 hrs in Management.
- ✓ This course does not qualify for 48 hrs. in Immunohistochemistry (TC to SU) - we **no longer** offer that course.

### TENNESSEE SUPERVISOR UPGRADE – 37 contact hours (Code: TNSU020)

- ✓ This course is only for Tennessee licensees that are upgrading their license to Supervisor.
- ✓ This course provides 37 of the 45 hours needed in Management to apply for Supervisor level license, the remaining 8 hours of Management must be completed in a classroom or workshop setting. In addition, you also need 15 hours of technical courses.
- ✓ Visit the [TN Application Guidelines](#) and view the top of page 11 for more information.





# Florida Supervisor Upgrade

This course is for Florida Licensees **only** that are upgrading their license or applying for a license as a **Supervisor** or **Director** level.

**TEXTBOOK EDITION:** 4<sup>th</sup> Edition

**CONTACT HOURS:** 25 Hours



**IMPORTANT NOTE:** This course is **only** for Florida licensees trying to upgrade their license to a Supervisor or Director level. This is **cannot** be used for license renewal. Order from the “**Florida Supervisor Upgrade**” category.

## Florida Supervisor Upgrade (Code: FSU020)

\* Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching and larger lab discounts are available \*

**Format:** Textbook with Online Quiz

**COURSE NUMBERS:**

**CE BROKER #:** N/A

**P.A.C.E.#:** 511-092-20

**Online Complete**



**IMPORTANT NOTE:** Due to ongoing mail delivery issues since COVID started we have temporarily suspended shipping the Textbook portion of these courses; however, you can order the Text at [Amazon](#) or [through the publisher](#). You will then order the online quiz from our website [4ceuinc.com](#).

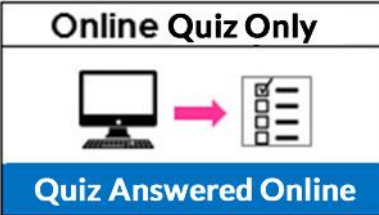
**Format:** Online Quiz Only

**COURSE NUMBERS:**

**CE BROKER #:** N/A

**P.A.C.E.#:** 511-092-20

**Online Quiz Only**



- ✓ You **already have** the textbook Lab Management Principles & Processes, 3<sup>rd</sup> Ed.
- ✓ Print out the quiz questions to work offline, then transfer to **online quiz** when ready.
- ✓ You will print your certificate of completion from your Course History.
- ✓ You will send your certificate of completion to the BCLP with your application.

**INDIVIDUAL PRICE:** \$42 for the Package

**SMALL GROUP PRICE:** \* \$33/per person

## Common Florida Supervisor Upgrade Questions:

**QUESTION:** Does 4CEUINC report THIS COURSE to Florida’s CE Broker?

**ANSWER:** **NO.** At the BCLP’s request, FL Supervisor Upgrade courses **do not** get reported to CE Broker since CE Broker only tracks renewal hours. Supervisor Upgrade contact hours **cannot** be used toward renewal hours.

**QUESTION:** Do I need any other courses when applying for a FL Supervisor or Director license?

**ANSWER:** **YES.** You also need to complete a 1 Hr. HIV/AIDS course. Order the Florida Initial Licensure Package.

**QUESTION:** What Textbook is used for this course?

**ANSWER:** Laboratory Management: Principles & Processes, 4<sup>th</sup> Edition (black cover) by Dr. Denise Harmening.

**QUESTION:** Can I use this for FL Histology Upgrade as well?

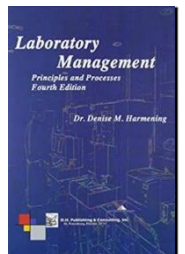
**ANSWER:** **YES.** If you only need 25 hours of Supervisor credit to upgrade your Histology license.

**NO.** If you need 48 hours of Supervisor credit - Order the Florida Histology Supervisor Upgrade.

**NO.** If you need 48 hours of Immunohistochemistry credit (Technician to Supervisor) – We **no longer** offer that course.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink “Register A New Group” button to fill out form.



**\*\*\*END OF FLORIDA SUPERVISOR UPGRADE SECTION\*\*\***

# Florida Histology Supervisor Upgrade



This course is for Florida **Histology** Licensees **only** that are upgrading their license or applying for a license as a **Supervisor** or **Director** level.

**TEXTBOOK EDITION:** 4th Edition

**CONTACT HOURS:** 48 hours

Last Rev 09/16/21



**IMPORTANT NOTE:** This course is **only** for Florida licensees trying to upgrade their license to a Supervisor or Director level. This is **cannot** be used for license renewal. Order from the "**Florida Supervisor Upgrade**" category.

## Florida Histology Supervisor Upgrade (Code: HFSU020)

\* Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching and larger lab discounts are available \*

**Format:** Textbook with Online Quiz

**COURSE NUMBERS:**

**CE BROKER #:** N/A

**P.A.C.E.#:** 511-091-20

**Online Complete**



**Textbook + Online Quiz**

**IMPORTANT NOTE:** Due to ongoing mail delivery issues since COVID started we have temporarily suspended shipping the Textbook portion of these courses; however, you can order the Text at [Amazon](#) or through the publisher. You will then order the online quiz from our website [4ceuinc.com](#).

**Format:** Online Quiz Only

**COURSE NUMBERS:**

**CE BROKER #:** N/A

**P.A.C.E.#:** 511-091-20

**Online Quiz Only**



**Quiz Answered Online**

- ✓ You **already have** the textbook Lab Management Principles & Processes, 3<sup>rd</sup> Ed.
- ✓ Print out the quiz questions to work offline, then transfer to **online quiz** when ready.
- ✓ You will print your certificate of completion from your Course History.
- ✓ You will send your certificate of completion to the BCLP with your application.

**INDIVIDUAL PRICE:** \$65 for the Package

**SMALL GROUP PRICE:** \* \$60/per person

## Common Florida Supervisor Upgrade Questions:

**QUESTION:** Does 4CEUINC report **THIS COURSE** to Florida's CE Broker?

**ANSWER:** **NO.** At the BCLP's request, FL Supervisor Upgrade courses **do not** get reported to CE Broker since CEB only tracks renewal hours. Supervisor Upgrade contact hours **cannot** be used toward renewal hours.

**QUESTION:** Do I need any other courses when applying for a FL Supervisor or Director license?

**ANSWER:** **YES.** You also need to complete a 1 Hr. HIV/AIDS course. Order the [Florida Initial Licensure Package](#).

**QUESTION:** What Textbook is used for this course?

**ANSWER:** Laboratory Management: Principles & Processes, 4<sup>th</sup> Edition (black cover) by Dr. Denise Harmening.

**QUESTION:** Is this the correct course if I have a General Lab license that I'm upgrading?

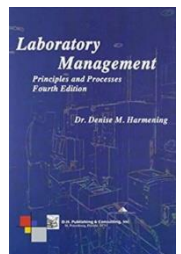
**ANSWER:** **NO.** You only need the 25 hour course – Florida Supervisor Upgrade, course code: **FSU020**.

**QUESTION:** Is this the correct course if I need 48 hours of Immunohistochemistry to upgrade from TC to SU?

**ANSWER:** **NO.** If upgrading from Technician to Supervisor, you need Immunohistochemistry – We **no longer** offer that course.

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink "Register A New Group" button to fill out form.



**\*\*\*END OF FLORIDA HISTOLOGY SUPERVISOR UPGRADE SECTION\*\*\***



# Tennessee Supervisor Upgrade

This course is for Tennessee Licensees **only** that are upgrading their license or applying for a license as a **Supervisor**.

**TEXTBOOK EDITION:** 4<sup>th</sup> Edition

**CONTACT HOURS:** 37 Hours



**IMPORTANT NOTE:** This course is only for Tennessee licensees trying to upgrade their license to a Supervisor level. Order from the “**Tennessee Supervisor Upgrade**” category.

## Tennessee Supervisor Upgrade (Code: TNSU020)

\* Groups have 5+ people \* Group price shown is avg. for smaller labs or if employees pay \* Price matching and larger lab discounts are available \*

**Format:** Textbook with Online Quiz

**COURSE NUMBERS:**

FL CE BROKER #: N/A

P.A.C.E.#: 511-090-20

**Online Complete**



Sent by  
UNITED STATES POSTAL SERVICE

**Textbook + Online Quiz**

**IMPORTANT NOTE:** Due to ongoing mail delivery issues since COVID started we have temporarily suspended shipping the Textbook portion of these courses; however, you can order the Text at [Amazon](#) or [through the publisher](#). You will then order the online quiz from our website [4ceuinc.com](#).

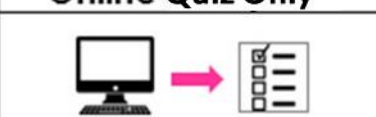
**Format:** Online Quiz Only Option

**COURSE NUMBERS:**

FL CE BROKER #: N/A

P.A.C.E.#: 511-090-20

**Online Quiz Only**



**Quiz Answered Online**

- ✓ You **already have** the textbook Lab Management Principles & Processes, 3<sup>rd</sup> Ed.
- ✓ Print out the quiz questions to work offline, then transfer to **online quiz** when ready.
- ✓ You will print your certificate of completion from your Course History.
- ✓ You will send your certificate of completion to the BCLP with your application.

**INDIVIDUAL PRICE:** \$52 for the online quiz | **SMALL GROUP PRICE:** \* \$47/per person

## Common Tennessee Supervisor Upgrade Questions:

**QUESTION:** Does 4CEUINC report **THIS COURSE** to Florida’s CE Broker?

**ANSWER:** **NO.** Since this is not a Florida Supervisor Upgrade course, it **does not** get reported to CE Broker.

**QUESTION:** I need 45 contact hours in Management for TN Supervisor license, why is this only 37 hours?

**ANSWER:** At least 8 hours must be in a classroom or workshop setting, while the remaining 37 hours can be completed online or as a ‘Home Study’ course. In total you need 60 hours: 15 hrs. of technical courses and 45 hours in management. Visit the [TN Application Guidelines](#) and view the top of page 11.

**QUESTION:** What Textbook is used for this course?

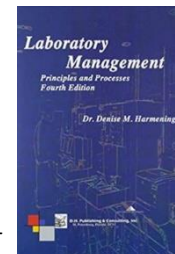
**ANSWER:** Laboratory Management: Principles & Processes, 3<sup>rd</sup> Edition (black cover) by Dr. Denise Harmening.

**QUESTION:** Can I use this for a FL Supervisor Upgrade as well?

**ANSWER:** You can use the same textbook, but you would just need to order the appropriate course – either the [Florida Supervisor Upgrade](#) or the [Florida Histology Supervisor Upgrade](#).

**QUESTION:** How can we set up a new Group for our Lab?

**ANSWER:** [Click here](#) to learn more about Groups, then click on the pink “Register A New Group” button to fill out form.



**\*\*\*END OF TENNESSEE SUPERVISOR UPGRADE SECTION\*\*\***

## Shop by License Type

There are many laboratory license types and certifications, each requiring a different amount of CEUs. This section will guide you, by making different package suggestions.



[Back to Index](#)

# Shop by License Type

## LAB CEU REQUIREMENTS: \* This is just a brief overview. Click links or FAQs for details \*

|                       | CONTACT HOURS NEEDED   | CE LINKS  | ACCEPTS OUR CEUS          |
|-----------------------|--|---|---------------------------|
| <b>CERTIFICATIONS</b> |  |   |                           |
| AAB / ABB             | 24 contact hours every 2 years.  | <a href="#">Cert. of Maintenance</a>                | ✓                         |
| AMT                   | MT, MLT, CLC = 45 points   MDT = 36 points<br>1 contact hour = 1 point                             | <a href="#">Stay Certified</a>                      | ✓                         |
| ASCP                  | 36 points: 1 point = 1 contact hour<br>* Specific CEU breakdown required - see booklet for details | <a href="#">CMP Booklet</a>                         | ✓                         |
| Canadian Licensees    |  |   | ✓                         |
| <b>STATES (techs)</b> |  |   |                           |
| California            | 24 contact hours every 2 years   | <a href="#">CDPH</a>                                | ✓                         |
| Florida               | 24 contact hours every 2 years * Specific CEUs required  | <a href="#">BCLP</a><br>Click Lic. Level / CE       | ✓                         |
| Louisiana             | 12 contact hours each calendar year  | <a href="#">LA Rules</a><br>Pg. 10                  | ✓                         |
| Montana               | 14 contact hours of CE annually  | <a href="#">MT Rules</a>                            | ✓                         |
| Nevada                | 20 contact hours every 2 years, prior to renewal   | <a href="#">NV Renewal</a>                          | ✓                         |
| New York              | 12 contact hours annually * See link for details   | <a href="#">NY DOH STDS PT I</a><br>Pg. 21          | ✓                         |
| North Dakota          | 20 contact hours every 2 year license period   | <a href="#">ND Requirements</a>                     | ✓                         |
| Puerto Rico           | 36 contact hours every 3 years   | <a href="#">PR Recertification</a>                  | ✓                         |
| Tennessee             | 24 contact hours every 2 years   | <a href="#">TN CE Requirements</a>                  | ✓                         |
| West Virginia         | 10 contact hours every year  | <a href="#">WV CE Requirements</a><br>Pg. 9 - 5.7.a | ✓                         |
| <b>PHLEBOTOMY</b>     |  |   |                           |
| AAPT                  | 6 CEUs annually  | <a href="#">Renewal</a>                             | ✓                         |
| AMT                   | RPT = 24 points every 3 years   1 contact hour = 1 point   | <a href="#">Stay Certified</a>                      | ✓                         |
| ASCP                  | 9 CMP points   | <a href="#">CMP Booklet</a>                         | ✓                         |
| ASPT                  | 6 contact hours every year   | <a href="#">CE &amp; Renewal</a>                    | ✓<br>P.A.C.E. is accepted |
| California            | 6 contact hours every 2 years  | <a href="#">CDPH</a>                                | ✓                         |
| NCCT                  | 14 contact hours annually  | <a href="#">"Outside" CEU Doc</a>                   | ✓                         |
| NHA                   | 10 continuing education credits every 2 years  | <a href="#">NHA CE Info</a>                         | ✓                         |

**NOTE:** These are the Certifications & State Licensures that require Continuing Education. It should be noted that some employers (such as the VA, etc.) may also require CEUs as part of your employment.

**CLICK THESE LINKS TO VISIT OUR FAQs PAGE FOR ADDITIONAL INFORMATION:** [Certifications](#), [States](#), [Phlebotomy](#)

Did we miss anything or have something wrong? Let us know: [Lab@4ceuinc.com](mailto:Lab@4ceuinc.com)

**Information Alert:** The information provided here is for guidance only. Although we strive to provide accurate and current information, CE requirements may change over time without our knowledge; therefore, it's the licensee's responsibility to check with their certification agency or state licensing board to confirm their CE requirements should there be any questions.





## Shop by License Type

There are many laboratory license types, each requiring a different amount of CEUs. This section will guide you, by making different package suggestions.



**IMPORTANT NOTE:** These are just suggestions to guide you in selecting the best package from our product list that most closely matches to the hours that you need to complete. Requirements can change without our notice, so it remains the licensee's responsibility to understand their full license requirements and any additional specialty areas they may require.

- If you have multiple professional licenses, a Subscription (Section 1) will be the best option to accomplish your CE requirements.
- If you only need a few hours try the Individual courses in Section 2.
- Did we miss something? Find an error? Please let us know by email us at: [Lab@4CEUINC.com](mailto:Lab@4CEUINC.com)

**DISCLAIMER:** 1. The logos displayed in this section remain the property of the owner and are only used for reference. 2. CE suggestions are 4CEUINC's & are for guidance only; they were not made by the States or Certification agencies.

## CERTIFICATIONS FOR TECHS . . .

### American Board of Bioanalysis (AAB)

#### Helpful Links

AAB CE Page: [https://www.aab.org/aab/Continuing\\_Education1.asp](https://www.aab.org/aab/Continuing_Education1.asp)

Guidelines for Documenting CE Credits: <https://www.aab.org/aab/Guidelines.asp>

Maintenance of Certification: [https://www.aab.org/aab/Continuing\\_Education1.asp](https://www.aab.org/aab/Continuing_Education1.asp)



#### Contact Hours

**Contact Hours Required:** AAB Diplomates (Directors) and Certificants (Managers, Consultants, and Supervisors) are required to document 24 contact hours of acceptable continuing education every 2 years.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription
- 2.) **Section 6:** 24 Hour Florida Combo Courses - *For Florida licensees only*
- 3.) **Section 7:** 24 Hour Combo Courses

## Shop by License Type

### American Medical Technologists (AMT)

#### Helpful Links

AMT Website: <https://www.americanmedtech.org>

AMT Recertification: <https://www.americanmedtech.org/Stay-Certified#177126-recertify>

Complying with the Certification Continuation Program (CCP): <https://www.americanmedtech.org/Stay-Certified#177125-comply-with-ccp>



#### Contact Hours

**Contact Hours Required:** With the exception of Molecular Diagnostic Technologists who need 36 points, all others need 45 points every 3 years.

| Certification Type                       | Points Needed Every Three Years |
|--|---------------------------------|
| Medical Technologist (MT)                | 45                              |
| Medical Laboratory Technician (MLT)      | 45                              |
| Molecular Diagnostic Technologists (MDT) | 36                              |
| Certified Laboratory Consultant (CLC)    | 45                              |

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*

### American Society for Clinical Pathology (ASCP)

#### Helpful Links

ASCP Website: <https://www.ascp.org/content/home>

Link To CMP Booklet: <https://www.ascp.org/content/docs/default-source/boc-pdfs/boc-stay-credentialed-general-cmp-pdfs/ascp-cmp-us-booklet-final-web.pdf?sfvrsn=8>



#### Contact Hours

**Contact Hours Required:** With the exception of Pathologist Assistants and Phlebotomists, all ASCP licensees need 36 CMP points every 3 years. Please visit page 4 of the CMP Booklet (link above) for additional details.

| Certification Category                                | Points Needed | Point Breakdown   |
|---|---------------|---|
| MLS/MT, MLT   | 36            | Each category has a specific point breakdown. Please click on the CMP Booklet link above and review page 4 for details. |
| AT, BB, C, CG, CT, H, HT, HTL, I, M, MB               | 36            |   |
| DLM, HP, SBB, SC, SCT, SCYM, SH, SI, SLS, SM, SMB, SV | 36            |   |
| PA  | 45            |   |

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*

# Shop by License Type

## Canadian Licensees

### Helpful Links

CMLTO: <http://www.cmlto.com/>

CSMLS: <https://www.csmls.org/>

### Contact Hours

Additional information to follow.....

### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription
- 2.) **Section 2:** Individual Course Titles - *If you just only a few hours*

## STATE REQUIREMENTS FOR TECHS . . .

### California

### Helpful Links

CDPH LFS Home: <https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/Home.aspx>

License Renewal: <https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/Personnel-Renewal.aspx>



### Contact Hours

**Contact Hours Required:** 24 contact hours every 2 years.

### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*
- 3.) **Section 7:** 24 Hour Combo Courses: General Lab Combos and Histology Combos

### Information for License Renewal

- Our Accrediting Agency number (AA #) is: 0001
- You can find the course number here:

| Date      | Course Title                      | CEB 20-# | P.A.C.E. # | Category | Hrs |
|-----------|-----------------------------------|----------|------------|----------|-----|
| 4/30/2019 | BBP SERIES: Exposure Control Plan | 711564   | 511-095-19 | Safety   | 4   |

# Shop by License Type

## Florida

### Helpful Links

FL BCLP Home: <https://floridasclinicallabs.gov>

Renewal Information: <https://floridasclinicallabs.gov/renewals/> Choose level → requirements → CE



### Contact Hours

Contact Hours Required for Renewal: 24 contact hours every 2 years

Florida has a very specific breakdown for the 24 contact hours.

| CEU Category  | Who Needs to Complete                   |
|---|---|
| <b>Mandatory:</b> 2 hours Medical Errors, 1 hour HIV, and 1 hour Laws & Rules   | Everyone needs to complete              |
| You need to complete a minimum of 1 hour in each of the lab areas that you hold a license in. IE: Chem, Hemo, Micro, etc. | Everyone                                |
| 1 hour in Management / Supervision / Safety / QA QC   | Supervisor (SU) and Director (DI) level |
| Remaining hours can be taken in any Lab related area of your choice   | Everyone                                |

### Continuing Education Suggestions

#### All Required Categories

- Section 1:** Comprehensive Lab Subscription - *If you want to select your own titles & categories*
- Section 2:** Individual Course Titles – *If you only need a few hours*
- Section 6:** Florida Combo Courses – *two 12-hour PARTS*
  - 24 hour Florida General Lab Combo
  - 24 hour Florida Histology Combo
  - 12 hour Florida Cytology Combo

#### Florida Mandatory Packages

- Section 6:** Florida Mandatory Packages - *If you ONLY need the Mandatory Courses*
  - Florida Initial Licensure
  - Florida First Renewal Package
  - Florida Mandatory Renewal Package

#### Florida Supervisor Upgrade Courses

- Section 10:** Supervisor Upgrades - *Upgrade hours are IN ADDITION to your renewal hours*
  - 25 Hour Florida Supervisor Upgrade: For General Lab upgrades and some Histotechs
  - 48 Hour Florida Supervisor Upgrade: For some Histotechs

### CE Broker

We report to CE Broker immediately after course completion for online courses and after manual entry for Answer Sheets, provided that your license # is in your profile **at the time of course completion.**



## Shop by License Type

### Louisiana

#### Helpful Links

Louisiana State Board of Medical Examiners Home: <https://www.lsbme.la.gov/>

Louisiana Rules: <http://www.lsbme.la.gov/sites/default/files/documents/Rules/Individual%20Rules/Clinical%20Laboratory%20Personnel%20May%202016.pdf> See page 10, Subchapter D



#### Contact Hours

12 contact hours each calendar year.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*
- 3.) **Section 7:** Laboratory Combos – *two 12-hour PARTS.* (General Lab and Histology Combos)  
Complete each PART in different calendar years OR you may also order each PARTS separately.

### Montana

#### Helpful Links

Louisiana State Board of Medical Examiners Home: <https://www.lsbme.la.gov/>

Louisiana Rules: <http://www.lsbme.la.gov/sites/default/files/documents/Rules/Individual%20Rules/Clinical%20Laboratory%20Personnel%20May%202016.pdf> See page 10, Subchapter D



#### Contact Hours

14 contact hours of CE annually.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*

## Shop by License Type

### Nevada

#### Helpful Links

**NV Medical Lab Personnel Licensing:** [http://dpbh.nv.gov/Reg/MedicalLabs/Medical\\_Lab\\_Personnel\\_Licensing/](http://dpbh.nv.gov/Reg/MedicalLabs/Medical_Lab_Personnel_Licensing/)

**Nevada Renewal Requirements:** <https://www.leg.state.nv.us/NAC/NAC-652.html#NAC652Sec455>



#### Contact Hours

2 units every two years, prior to license renewal. | 2 units = 20 contact hours

**Administrative Code NAC 652.455:** 1. Each director, general supervisor, technologist, technician, pathologist's assistant and point-of-care test analyst licensed or certified pursuant to this chapter shall complete 2 units of continuing education within the 2 years immediately preceding the application for renewal of the license or certificate. At least half of the total units of continuing education required must be from approved courses.

2. Each laboratory assistant or blood-gas assistant shall complete 1 unit of continuing education within the 2 years immediately preceding the application for renewal of his or her certificate.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*

### New York

#### Helpful Links

**NY DOH STDS PART I:**  
[https://www.wadsworth.org/sites/default/files/WebDoc/NYSDOH\\_Standards\\_Part\\_1\\_General\\_Systems\\_01012017\\_corrected.pdf](https://www.wadsworth.org/sites/default/files/WebDoc/NYSDOH_Standards_Part_1_General_Systems_01012017_corrected.pdf) See bottom of page 21



#### Contact Hours

12 contact hours annually.

The laboratory director shall provide continuing education to laboratory technical staff commensurate with the scope of their duties and such training and continuing education shall be documented. A minimum of twelve hours of continuing education must be performed by laboratory technical staff on an annual basis and staff participation must be documented.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*
- 3.) **Section 7:** Laboratory Combos – *two 12-hour PARTS.* (General Lab and Histology Combos)  
Complete each PART in different calendar years OR you may also order each PARTS separately.

## Shop by License Type

### North Dakota

#### Helpful Links

North Dakota Board of Clinical Laboratory Practice: <https://www.ndclinlab.com>

North Dakota CE Requirements: <https://www.ndclinlab.com/requirements.asp>



#### Contact Hours

24 contact hours of continuing education for the 2 year license period.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*
- 3.) **Section 7:** Laboratory Combos – *two 12-hour PARTS*
  - 24 hour General Lab Combo
  - 24 hour Histology Combo

### Puerto Rico

#### Helpful Links

CTMPR Home: <http://portal.tecnologosmedicos.org>

Puerto Rico Recertification: <http://portal.tecnologosmedicos.org/educacion-continua/>



#### Contact Hours

36 contact hours every three years.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*

## Shop by License Type

### Tennessee

#### Helpful Links

**TN DOH Medical Laboratory Board Home:** <https://www.tn.gov/health/health-program-areas/health-professional-boards/medlab-board.html>

**TN CE Requirements:** <https://www.tn.gov/health/health-program-areas/health-professional-boards/medlab-board/ml-board/continuing-education.html>



#### Contact Hours

**Renewal:** 24 contact hours every two years.

**Supervisor Upgrade:** In total you need 60 hours: 15 hrs. of technical courses and 45 hours in management. Of those 45 hours, at least 8 hours must be in a classroom or workshop setting, while the remaining **37 hours** can be completed online or as a 'Home Study' course (**see course below**). **TN Application Guidelines** See page 11

#### Continuing Education Suggestions

##### General Renewal

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you just need a few hours*
- 3.) **Section 7:** Laboratory Combo Courses – *two 12-hour PARTS*
  - 24 hour General Lab Combo
  - 24 hour Histology Combo

##### Tennessee Supervisor Upgrade Course

- 1.) **Section 10:** Supervisor Upgrade
  - 37 Hour Tennessee Supervisor Upgrade

### West Virginia

#### Helpful Links

**WV OLS Home:** <https://dhhr.wv.gov/ols/Pages/default.aspx>

**WV OLS Licensure:** <https://dhhr.wv.gov/ols/regulatory/Pages/Licensure.aspx>

**WV CE Requirements:** <http://apps.sos.wv.gov/adlaw/csr/readfile.aspx?DocId=49385&Format=PDF> Page 9, 5.7.a



#### Contact Hours

10 contact hours every year.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*
- 3.) **Section 7:** Laboratory Combo Courses – *two 12-hour PARTS. Complete each section during different years.*
  - 24 hr General Lab Combo
  - 24 hr Histology Combo



## Shop by License Type

### PHLEBOTOMY REQUIREMENTS . . .

## American Academy of Phlebotomy Technicians (AAPT)

### Helpful Links

AAPT Home: <https://aaopt.net>

AAPT Renewal: <https://aaopt.net/renewal/>



### Contact Hours

6 contact hours annually.

### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories from a large list*
- 2.) **Section 2:** Individual Course Titles
- 3.) **Section 8:** Phlebotomy Combos: 6-hour Phlebotomy Combo-17

## American Medical Technologists (AMT)

### Helpful Links

AMT Website: <https://www.americanmedtech.org>

AMT Recertification: <https://www.americanmedtech.org/Stay-Certified#177126-recertify>

Complying with the Certification Continuation Program (CCP):

<https://www.americanmedtech.org/Stay-Certified#177125-comply-with-ccp>



### Contact Hours

Contact Hours Required: 1 point = 1 contact hour

| Certification Type           | Points Needed Every Three Years |
|------------------------------|---------------------------------|
| Phlebotomy Technician (RPT)  | 24                              |
| Medical Lab Assistant (CMLA) | 30                              |

### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories from a large list*
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*

## Shop by License Type

### American Society for Clinical Pathology (ASCP)

#### Helpful Links

ASCP Website: <https://www.ascp.org/content/home>

Link To CMP Booklet: <https://www.ascp.org/content/docs/default-source/boc-pdfs/boc-stay-credentialed-general-cmp-pdfs/ascp-cmp-us-booklet-final-web.pdf?sfvrsn=8>



#### Contact Hours

**Contact Hours Required:** 9 CMP points every 3 years. Please visit page 4 of the CMP Booklet (link above) for details.  
1 CMP = 1 Contact Hour

| Certification Category   | Points Needed | Point Breakdown   |
|--|---------------|---|
| Donor Phlebotomy Technician (DPT)<br>Phlebotomy Technician (PBT)<br>Medical Laboratory Assistant (MLA) | 9             | - 1 point in Lab or Patient Safety<br>- 2 points in certification area<br>- Remaining points in Lab related areas of interest |

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription
- 2.) **Section 2:** Individual Course Titles - *If you only need a few hours*
- 3.) **Section 8:** Phlebotomy Combos: 9-hour Phlebotomy Combo-17

### American Society of Phlebotomy Technicians (ASPT)

#### Helpful Links

ASPT Home: <https://www.aspt.org>

ASPT CE & Renewal: <https://www.aspt.org/ceu>



#### Contact Hours

6 contact hours annually. (Per Gail at ASPT, P.A.C.E. approved courses are accepted.)

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories from a large list*
- 2.) **Section 2:** Individual Course Titles - *Pay for only the courses you want to take.*
- 3.) **Section 8:** Phlebotomy Combos: 6-hour Phlebotomy Combo-17

# Shop by License Type

## California

### Helpful Links

**CDPH LFS Home:** <https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/Home.aspx>  
**License Renewal:** <https://www.cdph.ca.gov/Programs/OSPHLD/LFS/Pages/Personnel-Renewal.aspx>



### Contact Hours

**Contact Hours Required:** 6 contact hours every 2 years.

### Continuing Education Suggestions

- Section 1:** Comprehensive Lab Subscription – If you want to select your own titles & categories from a large list
- Section 2:** Individual Course Titles - Pay for only the courses you want to take.
- Section 8:** Phlebotomy Combos: 6-hour Phlebotomy Combo-17

### Information for License Renewal

- Our Accrediting Agency number (AA #) is: 0001
- You can find the course number here:

| Date      | Course Title                      | CEB 20-# | P.A.C.E. # | Category | Hrs |
|-----------|-----------------------------------|----------|------------|----------|-----|
| 4/30/2019 | BBP SERIES: Exposure Control Plan | 711564   | 511-095-19 | Safety   | 4   |

## National Center for Competency Testing (NCCT)

### Helpful Links

**NCCT Home:** <https://www.ncctinc.com/>  
**NCCT CE Info:** <https://www.ncctinc.com/ce>  
**Info Doc for 'Outside' CEUs:** <https://www.ncctinc.com/Documents/Outside%20CE%20Policy.pdf>



### Contact Hours

**Contact Hours Required:** 14 contact hours annually.

### Continuing Education Suggestions

- Section 1:** Comprehensive Lab Subscription – If you want to select your own titles & categories from a large list
- Section 2:** Individual Course Titles - Pay for only the courses you want to take.
- Section 8:** Phlebotomy Combos: 14-hour Phlebotomy Combo-17

## Shop by License Type

### National Healthcareer Association (NHA)

#### Helpful Links

NHA Home: <https://www.nhanow.com/>

NHA CE Info: <https://www.nhanow.com/certifications/continuing-education?hsCtaTracking=6bbe7cd5-0bea-4f8b-8b18-771d9930f477%7Cef0cae4c-f48b-4cdd-95fa-87e4ce2a131a>



#### Contact Hours

10 contact hours every 2 years.

#### Continuing Education Suggestions

- 1.) **Section 1:** Comprehensive Lab Subscription – *If you want to select your own titles & categories from a large list*
- 2.) **Section 2:** Individual Course Titles - *Pay for only the courses you want to take.*
- 3.) **Section 8:** Phlebotomy Combos: 9-hour Phlebotomy Combo-17 plus *add 1 additional contact hour*

**\*\*\*END OF SHOP BY LICENSE TYPE SECTION\*\*\***

- If you have multiple professional licenses, a Subscription (Section 1) will be the best option to accomplish your CE requirements.
- Do you have a suggestion that we missed? Please let us know by emailing us at: [Lab@4CEUINC.com](mailto:Lab@4CEUINC.com)
- Did you find an error? Please let us know by emailing us at: [Lab@4CEUINC.com](mailto:Lab@4CEUINC.com)

- SECTION 12 -

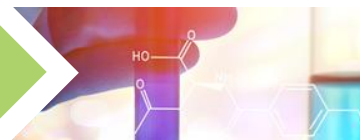
## Quick Price List

Only looking for basic course information, including pricing? Download our Quick Price List.



[Back to Index](#)

## ■ Quick Price List



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## LAB CEU - QUICK PRICE LIST

**NOTE** | This list does not reflect Sales or Group Discounts. Last Updated: Sept 12, 2021  
**OUR WEBSITE** | [www.4CEUINC.com](http://www.4CEUINC.com)

| COURSE FORMAT LEGEND - Used for Courses Below |                   |  |         |
|---|-------------------|--|---------|
| O   | Online Complete   | You get both course material and quiz ONLINE   |         |
| OQ  | Online Quiz Only  | You only get access to the ONLINE quiz. You already have the reading material.                   |         |
| B   | Book Only         | You get a PRINTED BOOK mailed to you. Pair with an Online Quiz, Answer Sheet or Online Complete. | SH +Tax |
| AS  | Answer Sheet Only | You print your AS from your online profile. Quizzes can also be completed online.                |         |

### SUBSCRIPTION: [Catalog Section 4](#)

| FORMAT  | CODE    | TITLE   | HRS | COST                  |
|---|---------|---|-----|-----------------------|
| O   | O-SUB * | Comprehensive Lab Subscription (Access to all INDIVIDUAL course titles) | N/A | \$85 for 12 months ** |
| * DOES NOT include Packages Textbooks or Combo Titles   ** Individuals get 12 months of access and Groups get 24 months of access |         |   |     |                       |

### COMBO COURSES:

| FORMAT   | CODE       | TITLE  | HRS | COST                       |
|--|------------|--|-----|----------------------------|
| <b>LABORATORY COMBOS</b> <a href="#">Catalog Section 7</a>             |            |  |     |                            |
| B  | B-24-21    | Laboratory Combo-21 - PRINTED BOOK ONLY (308 Black & White pages)                    | N/A | \$52 + SH                  |
| O, OQ, AS  | 24-21      | Laboratory Combo-21 (Both PARTS I and II)  | 24  | O-\$75 / OQ-\$38 / AS-\$45 |
| O, OQ  | 24-21-I    | Laboratory Combo-21 PART I   | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | 24-21-II   | Laboratory Combo-21 PART II  | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | H24-21     | Histology Combo-21 (Both PARTS I and II)   | 24  | O-\$75 / OQ-\$38 / AS-\$45 |
| O, OQ  | H24-21-I   | Histology Combo-21 PART I  | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | H24-21-II  | Histology Combo-21 PART II   | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | ---        | All 2019 Combo Courses are still available, but not listed due to space constraints. | --  | See Pricing Above          |
| <b>FLORIDA COMBOS &amp; PACKAGES</b> <a href="#">Catalog Section 6</a> |            |  |     |                            |
| B  | B-24F-21   | Florida Laboratory Combo-21 - PRINTED BOOK ONLY (312 Black & White pages)            | N/A | \$52 + SH + Tax            |
| O, OQ, AS  | 24F-21     | Florida Laboratory Combo-12 (Both PARTS I and II) (Package for Florida Licensees)    | 24  | O-\$75 / OQ-\$38 / AS-\$45 |
| O, OQ  | 24F-21-I   | Florida Laboratory Combo-21 PART I (For Florida Licensees)                           | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | 24F-21-II  | Florida Laboratory Combo-21 PART II (For Florida Licensees)                          | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | H24F-21    | Florida Histology Combo-21 (Both PARTS I and II) (Package for Florida Licensees)     | 24  | O-\$75 / OQ-\$38 / AS-\$45 |
| O, OQ  | H24F-21-I  | Florida Histology Combo-21 PART I (For Florida Licensees)                            | 12  | O-\$44 / OQ-\$23.50        |
| O, OQ  | H24F-21-II | Florida Histology Combo-21 PART II (For Florida Licensees)                           | 5   | O-\$44 / OQ-\$23.50        |
| O, OQ  | C14F-21    | Florida Cytology Combo-21 (For Florida Licensees)                                    | 12  | O-\$44 / OQ-\$23.50        |
| O  | FI021      | Florida Initial Licensure Package (HIV)  | 1   | \$10                       |
| O  | FF021      | Florida - First Renewal Package (Medical Errors + HIV)                               | 3   | \$18                       |
| O, OQ  | FM021      | Florida Mandatory Course Package (HIV, Med Errors, Laws & Rules)                     | 4   | \$25                       |
| O, OQ  | ---        | All 2019 Combo Courses are still available, but not listed due to space constraints. | --  | See Pricing Above          |



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## LAB CEU - QUICK PRICE LIST

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### COMBO COURSES CONTINUED:

| FORMAT   | CODE            | TITLE   | HRS    | COST             |
|--|-----------------|---|--------|------------------|
| <b>PHLEBOTOMY COMBOS</b> <a href="#">Catalog Section 8</a> |                 |   |        |                  |
| O, OQ  | 6PH-17          | 6 Hour Phlebotomy Combo-17                            | 6      | O-\$30 / OQ-\$15 |
| O, OQ  | 9PH-17          | 9 Hour Phlebotomy Combo-17                            | 9      | O-\$38 / OQ-\$20 |
| O, OQ  | 14PH-17         | 14 Hour Phlebotomy Combo-17                           | 14     | O-\$48 / OQ-\$27 |
| O, OQ  | 6PH-19 & 9PH-19 | New Phlebotomy Combos will be available January 2022. | 6 or 9 | See Above        |

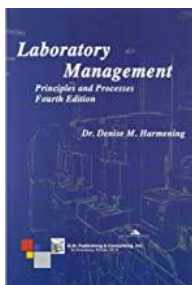
### TEXTBOOKS: [Catalog Section 9](#)

| FORMAT                      | CODE | TITLE | HRS | COST |
|-----------------------------|------|-------|-----|------|
| -- CURRENTLY UNAVAILABLE -- |      |       |     |      |

### SUPERVISOR UPGRADES: [Catalog Section 10](#)

| FORMAT | CODE   | TITLE   | HRS | COST          |
|--------|--------|---|-----|---------------|
| B, OQ  | FSU020 | Florida Supervisor Upgrade <span style="color: red;">Text with Online Quiz = \$115 + SH + Tax   OQ Only = \$38</span>           | 25  | See Title +SH |
| B, OQ  | HFSU20 | Florida Histology Supervisor Upgrade <span style="color: red;">Text with Online Quiz = \$155 + SH + Tax   OQ Only = \$65</span> | 48  | See Title +SH |
| B, OQ  | TSU013 | Tennessee Supervisor Upgrade <span style="color: red;">Text with Online Quiz = \$135 + SH + Tax   OQ Only = \$52</span>         | 37  | See Title +SH |

**TEXTBOOK:** **Laboratory Management Principles & Processes, 4<sup>th</sup> Edition by Dr. Denise Harmening**



**IMPORTANT NOTE:** Due to ongoing mail delivery issues since COVID started we have temporarily suspended shipping the Textbook portion of these courses; however, you can order the Text at Amazon or through the publisher (links below). You will then order the online quiz from our website [4ceuinc.com](http://4ceuinc.com)

**ORDER TEXT:** [Order On Amazon](#) -or- [Order From Publisher](#)

**ORDER QUIZ:** [Order 25 Hour Quiz](#) | [Order 37 Hour Quiz](#) | [Order 48 Hour Quiz](#)





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## LAB CEU - QUICK PRICE LIST

**NOTE** | This list does not reflect Sales or Group Discounts. Last Updated: Sept 12, 2021

### INDIVIDUAL COURSES: [Catalog Section 5](#)

| ALERT                 | CODE   | TITLE  | HRS   | COST |         |
|-----------------------|--------|--|---|------|---------|
|                       |        | <b>BLOOD BANKING (Donor Processing)</b>                                  | <b>Also see the Immunohematology Category</b> |      |         |
|                       | BB002  | Blood Component Processing, Storage, Special Preparation, and Labelling  | 2   | \$15 |         |
| <b>CHEMISTRY</b>      |        |  |   |      |         |
|                       | C030   | Calcium, Phosphate, and Magnesium  | 3   | \$21 |         |
| <b>NEW</b>            | C032   | CASE REPORT: Postpartum Acute Fatty Liver of Pregnancy                   | 2   | \$15 |         |
|                       | C024   | Classification and Diagnosis of Diabetes                                 | 2   | \$15 |         |
|                       | C027   | Hyperkalemia   | 2   | \$15 |         |
|                       | C026   | Hyponatremia   | 2   | \$15 |         |
|                       | C023   | Mass Spectrometry and Its Role in Clinical Diagnosis                     | 1   | \$10 |         |
| <b>IN DEVELOPMENT</b> | C029   | Metabolic Alkalosis  | TBD   | TBD  |         |
|                       | C018   | The Steroid Hormone Cascade  | 2   | \$15 |         |
|                       | C021   | Thyroid Hormone Excess: Grave's Disease                                  | 3   | \$21 |         |
| <b>IN REVIEW</b>      | C032   | Wilson Disease Review  | 2   | \$15 |         |
|                       | C028   | Urine Collection Methods: A Basic Review                                 | 2   | \$15 |         |
| <b>CYTOGENETICS</b>   |        |  |   |      |         |
| <b>- PACKAGE -</b>    | CYG009 | 6 Hour Cytogenetics Package  | <b>- PACKAGE -</b>                            | 6    | \$32    |
|                       | CYG003 | BRCA Mutations   |   | 4    | \$28    |
| <b>IN DEVELOPMENT</b> | CYG010 | CASE REPORT: Cytogenetic & Genomic Analysis of a Turner Syndrome Patient |   | TBD  | TBD     |
| <b>IN DEVELOPMENT</b> | CYG011 | Case Studies in Cytogenetics-21  |   | TBD  | TBD     |
|                       | CYG006 | CASE STUDY: New AML with Difficult Karyotype                             |   | 2    | \$15    |
|                       | CYG007 | Double Aneuploidy in Down Syndrome                                       |   | 3    | \$21    |
|                       | CYG003 | FISH: An Increasingly Demanded Tool                                      |   | 2    | \$15    |
|                       | CYG008 | Morphological Markers of Chromosomal Instability                         |   | 1    | \$10    |
|                       | CYG005 | X and Y Chromosomes: A Basic Review                                      |   | 1    | \$10    |
| <b>CYTOLOGY</b>       |        |  |   |      |         |
|                       | CY015  | Basics in Breast Cytology  |   | 2.5  | \$17.50 |
|                       | CY014  | Body Fluids: Identifying Benign vs. Malignant Cells                      |   | 3    | \$21    |
|                       | CY016  | Case Studies in Cytology-19  |   | 1    | \$10    |
| <b>IN REVIEW</b>      | CY018  | Comparison Between Two Liquid-Based Brush Biopsy Collection Methods      |   | 2    | \$15    |
| <b>IN DEVELOPMENT</b> | CY019  | Cytological Diagnosis of Bacterial Infections                            |   | TBD  | TBD     |
|                       | CY013  | Review of Normal WBCs  |   | 2    | \$15    |
|                       | CY012  | Nasal Cytology in Children   |   | 1    | \$10    |



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## LAB CEU - QUICK PRICE LIST

**NOTE** | This list does not reflect Sales or Group Discounts. Last Updated: Sept 12, 2021

### INDIVIDUAL COURSE LIST CONTINUED: [Catalog Section 5](#)

| ALERT  | CODE       | TITLE  | HRS | COST    |
|--|------------|--|-----|---------|
|  | CY017      | Use of Nasal Cytology in Diagnosing Sinonasal Disorders                            | 2   | \$15    |
| <b>FLORIDA MANDATORY</b>   |            |  |     |         |
|  | FM-1HIV019 | 1 Hour HIV/AIDS Review   | 1   | \$10    |
|  | FM-3HIV019 | 3 Hour HIV/AIDS Review   | 3   | \$21    |
| <b>UPDATED</b>   | LR019      | Florida Lab Laws & Rues of the Board   | 1   | \$10    |
| <b>UPDATED</b>   | ME019      | Prevention of Medical Errors in Healthcare   | 2   | \$15    |
| <b>GENERAL</b>   |            |  |     |         |
| <b>NEW</b>   | HT020      | Human Trafficking   *This course has CE Broker credits, but NOT ASCLS PACE credits | 1   | \$10    |
| <b>NEW</b>   | RI020      | Impairment In The Workplace  | 2   | \$15    |
| <b>HEMATOLOGY</b>  |            |  |     |         |
| <b>NEW</b>   | H032       | CASE REPORT: Postpartum TTP  | 2   | \$15    |
|  | H021       | Case Studies in Hematology   | 2   | \$15    |
|  | H027       | Contact Pathway of Coagulation and Inflammation                                    | 2   | \$15    |
|  | H023       | Factor XIII Review   | 2   | \$15    |
|  | H019       | Heparin Induced Thrombocytopenia   | 2   | \$15    |
|  | H022       | Myelodysplastic Syndrome   | 1   | \$10    |
|  | H026       | Overview of Pediatric Hematology   | 1.5 | \$12.50 |
|  | H029       | Platelets: A Basic Review  | 1   | \$10    |
|  | H030       | Review of Benzene and the Hematological System                                     | 1   | \$10    |
|  | H019       | Stem Cell Basics   | 2   | \$15    |
|  | H020       | Understanding Components of the CBC  | 4   | \$28    |
|  | H025       | Understanding Hemostasis and Coagulation Testing                                   | 1.5 | \$12.50 |
| <b>HISTOLOGY</b> <b>Also see the Immunohistochemistry Category</b> |            |  |     |         |
|  | HI035      | Artifacts in Histopathology: A Potential Cause of Misinterpretation                | 2   | \$15    |
|  | HI033      | Estrogen and Cancer: Understanding Estrogen Receptors                              | 1.5 | \$12.50 |
| <b>NEW</b>   | HI045      | Gross & Histopathology of COVID-19 Autopsy Specimens                               | 2   | \$15    |
|  | HI030      | Histological Changes of the Placenta in Diabetes                                   | 1.5 | \$12.50 |
|  | HI042      | Histological Stains: A Literature Review and Case Study                            | 1   | \$10    |
| <b>NEW</b>   | HI047      | Histology of the Human Placenta  | 2   | \$15    |
|  | HI044      | Histology Microtechniques  | 2   | \$15    |
|  | HI041      | Histology of Normal Tissues  | 3   | \$21    |
|  | HI036      | Histology Stains: A Historical Review  | 2   | \$15    |
| <b>NEW</b>   | HI046      | Histopathology of Wilsons Disease  | 2   | \$15    |



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## LAB CEU - QUICK PRICE LIST

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### INDIVIDUAL COURSE LIST CONTINUED: [Catalog Section 5](#)

| ALERT  | CODE   | TITLE  | HRS | COST |
|--|--------|--|-----|------|
|  | HI038  | Microwave Assisted Tissue Pathology  | 1   | \$10 |
|  | HI037  | Mohs Surgery Overview  | 2   | \$15 |
|  | HI025  | Pathology of Breast Diseases   | 3   | \$21 |
|  | HI027  | Principles of the Liver Biopsy Procedure   | 1   | \$10 |
|  | HI043  | The Role of Technical QC in Histology Laboratories   | 1   | \$10 |
|  | HI032  | Understanding Angiogenesis   | 1   | \$10 |
|  | HI022  | Unusual Cancers of Childhood – PART I  | 2   | \$15 |
|  | HI024  | Unusual Cancers of Childhood – PART II   | 4   | \$28 |
| <b>IMMUNOHEMATOLOGY</b> <a href="#">Also see the Blood Banking Category</a>              |        |  |     |      |
| <b>NOTE:</b> Courses with a * provide 1 hr in Immunohematology and 1 hr in Blood Banking |        |  |     |      |
|  | IH015  | Blood Safety *   | 2   | \$15 |
|  | IH018  | CASE STUDY: Alloantibody Causing Blood Type Conflict in Pregnant Female                                  | 1   | \$10 |
|  | IH020  | Mini Reviews in Hematology-19  | 1   | \$10 |
|  | IH016  | Risks, Complications, and Reactions Associated with Transfusions *                                       | 2   | \$15 |
|  | IH019  | Transfusion Transmitted Infections *   | 2   | \$15 |
| <b>NEW</b>   | IH018  | Umbilical Cord Blood Collection & Banking *  | 2   | \$15 |
| <b>IMMUNOHISTOCHEMISTRY</b> <a href="#">Also see the Histology Category</a>              |        |  |     |      |
| <b>NEW</b>   | IHC008 | A Short Review of Immunohistochemistry   | 2   | \$15 |
|  | HI034  | Ancillary Techniques in the Histopathologic Diagnosis of Cervical SIL & GIL   2 hrs IHC & 1 hr Molecular | 3   | \$21 |
| <b>NEW</b>   | IHC009 | CASE REPORT: 3rd Trimester Placental Pathology in COVID Positive Women                                   | 3   | \$21 |
|  | IHC006 | Antigen Retrieval for Light & Electron Microscopy  | 3   | \$21 |
|  | IHC007 | Detection Systems in Immunohistochemistry  | 3   | \$21 |
|  | HI029  | Electron Microscopy of Liver Biopsies  | 4   | \$28 |
|  | HI031  | Immunohistochemistry for Chronic Hepatitis Diagnosis   | 1   | \$10 |
|  | HI040  | Immunohistochemistry in Breast Pathology   | 2   | \$15 |
|  | HI039  | Immunohistochemistry in Cervical Cancer  | 1   | \$10 |
| <b>MANAGEMENT / SUPERVISION</b>  |        |  |     |      |
|  | SU023  | Assay Validations: Make Sure You Do It Right The First Time  | 1   | \$10 |
|  | SU019  | Basic Quality Control Review   | 1   | \$10 |
|  | SU025  | CLIA: A Brief Overview   | 1   | \$10 |
|  | SU022  | Employee Files: Don't Get Lost in the Paperwork  | 1   | \$10 |
| <b>UPDATED</b>   | SU027  | Prevention of Medical Errors   <a href="#">Florida Licensees: See FL Mandatory Category</a>              | 2   | \$15 |
|  | SU024  | Proficiency Testing: FAQ Basics  | 2   | \$15 |
| <b>NEW</b>   | SU029  | Understanding HIPAA  | 3   | \$21 |



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### INDIVIDUAL COURSE LIST CONTINUED: [Catalog Section 5](#)

| ALERT                      | CODE     | TITLE  | HRS | COST    |
|----------------------------|----------|--|-----|---------|
| <b>MICROBIOLOGY</b>        |          |  |     |         |
|                            | 1HIV019  | 1 Hour HIV/AIDS Review   Florida Licensees: See FL Mandatory Category                    | 1   | \$10    |
|                            | 3HIV019  | 3 Hour HIV/AIDS Review   Florida Licensees: See FL Mandatory Category                    | 3   | \$21    |
| - EXPIRING -               | M023     | Antibiotic Resistance: A Review of the Current Threats   Complete by Dec 31 2021         | 2.5 | \$17.50 |
| NEW                        | M032     | Antibiotic Resistance: Review of Serious Threats   | 2   | \$15    |
|                            | M025     | Bioterrorism: A Worldwide Threat   | 2   | \$15    |
| NEW                        | M030     | Coronavirus Disease: COVID-19  | 3   | \$21    |
| IN DEVELOPMENT             | CY019    | Cytological Diagnosis of Bacterial Infections   Order from Cytology Category             | TBD | TBD     |
| BEING UPDATED              | M021     | Ebola Review for the Laboratory   Temporarily unavailable for updating                   | 4   | \$28    |
|                            | M029     | Microbiology of Ventilator Associated Pneumonia  | 2   | \$15    |
|                            | M026     | Nocardiosis: Clinical and Pathological Aspects   | 2   | \$15    |
| BEING UPDATED              | M018     | People, Pets, and Zoonoses   Complete this version before Dec 31, 2021                   | 2   | \$15    |
|                            | M019     | Sexually Transmitted Diseases  | 3   | \$21    |
| IN DEVELOPMENT             | PKG-M032 | Tickborne Illness Package - PACKAGE -  | TBD | TBD     |
| IN DEVELOPMENT             | M030     | Tickborne Illness: Vector Review   | TBD | TBD     |
| IN DEVELOPMENT             | M031     | Tickborne Illness: Disease Review  | TBD | TBD     |
|                            | M028     | Understanding Sepsis   | 2   | \$15    |
|                            | M024     | Zika Virus: Update and Overview  | 1   | \$10    |
| <b>MOLECULAR PATHOLOGY</b> |          |  |     |         |
| IN DEVELOPMENT             | MP015    | A Basic Guide to Real Time PCR in Microbial Diagnostics                                  | TBD | TBD     |
| IN DEVELOPMENT             | MP014    | COVID-19 Pandemic: From Genetics and Genomics, to Therapy, and Vaccination               | TBD | TBD     |
|                            | MP007    | Genetic Testing: A Basic Review  | 2   | \$15    |
| IN DEVELOPMENT             | MP016    | mRNA in cancer immunotherapy   | TBD | TBD     |
|                            | MP011    | PCR and Infectious Diseases  | 1   | \$10    |
|                            | MP013    | Regulatory Concerns of PCR Carryover Contamination                                       | 1   | \$10    |
|                            | MP009    | RNA & DNA: A Basic Review  | 2.5 | \$17.50 |
|                            | MP012    | Use of Nucleic Acid Testing in Molecular Diagnostics                                     | 2   | \$15    |
|                            | MP008    | What is a Genome   | 2   | \$15    |
| <b>PHLEBOTOMY</b>          |          | <b>Techs and CLS: This Category Counts as General</b>                                    |     |         |
|                            | PH007    | Blood Composition – Review of Cellular Components  | 2   | \$15    |
|                            | PH006    | Infectious Complications Caused by Phlebotomy  | 2.5 | \$17.50 |
| NEW                        | PH009    | Laboratory Testing Phases And Their Associated Errors                                    | 1   | \$10    |
|                            | PH005    | Patient Injuries Caused by Phlebotomy  | 2.5 | \$17.50 |
| BEING UPDATED              | PH004    | Preanalytical Errors in Specimen Collection   Complete this version before Sept 30, 2021 | 3.5 | \$24.50 |
|                            | PH003    | Specimen Collection: A Basic Review  | 2   | \$15    |



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### INDIVIDUAL COURSE LIST CONTINUED: [Catalog Section 5](#)

| ALERT                | CODE       | TITLE   | HRS | COST    |
|----------------------|------------|---|-----|---------|
| <b>SAFETY</b>        |            |   |     |         |
| - PACKAGE -          | PKG-SAF010 | 12 Hour Bloodborne Pathogens Review   <b>Made up of BBP Series topics</b>                           | 12  | \$44    |
|                      | SAF001     | Biological Safety Cabinets  | 4   | \$28    |
|                      | SAF003     | BBP SERIES: Basic Review of the Pathogens   | 2   | \$15    |
|                      | SAF004     | BBP SERIES: Exposure Control Plan   | 4   | \$28    |
|                      | SAF005     | BBP SERIES: Personal Protective Equipment   | 1   | \$10    |
|                      | SAF006     | BBP SERIES: HIV and HBV Research Labs and Production Facilities                                     | 1   | \$10    |
|                      | SAF007     | BBP SERIES: HBV Vaccination Under the Bloodborne Pathogens Standard                                 | 2   | \$15    |
|                      | SAF008     | BBP SERIES: Communication of Hazards and Recordkeeping  | 2   | \$15    |
|                      | SAF009     | Hand Hygiene  | 2.5 | \$17.50 |
| <b>NEW</b>           | SAF011     | Latex Allergy in Healthcare   | 1   | \$10    |
| <b>NEW</b>           | SAF012     | Respirator Review   | 1   | \$10    |
| <b>SEROLOGY</b>      |            |   |     |         |
| <b>BEING UPDATED</b> | S020       | Hepatitis B: Immunity & Prevention Strategies Through Vaccination   <b>Check back in early 2022</b> | 4   | \$28    |
| <b>BEING UPDATED</b> | S022       | Immune Principles of Vaccination   <b>Complete this version before Dec 31, 2021</b>                 | 1.5 | \$12.50 |
|                      | S027       | Immunoglobulin Review PART I: Immunoglobulin Structure  | 1   | \$10    |
|                      | S028       | Immunoglobulin Review PART II: Ig Types and Uses  | 3   | \$21    |
|                      | S021       | Introduction to Basic Immunology  | 2   | \$15    |
|                      | S029       | Introduction to Immunology and Immunopathology  | 2   | \$15    |
|                      | S018       | Toxic Epidermal Necrolysis and Stevens-Johnson Syndrome   | 2   | \$15    |
|                      | S024       | Understanding the ABCs of the Immune System   | 2.5 | \$17.50 |
| <b>NEW</b>           | S031       | VACCINES: A Basic Review  | 2   | \$15    |
| <b>NEW</b>           | S033       | VACCINES: COVID-19 Vaccine Review   | 3.5 | \$24.50 |
| <b>NEW</b>           | S032       | VACCINES: FDA's Oversight Role  | 2   | \$15    |
|                      | S030       | Western Blot: A Valuable Immunoassay  | 3   | \$21    |

----- END OF COURSE LIST -----

### Frequently Asked Questions:

**QUESTION:** Do you report to CE Broker?

**ANSWER:** Yes. We report to CE Broker immediately after course completion for all online courses, provided that your license # is in your profile **at the time of course completion**. Please note, it may take up to 24 hours for CE Broker to post your hours in their system.



**QUESTION:** What do I get with an Individual Course Online?

**ANSWER:** You receive access to both the Online Reading Material & an Online Quiz. The reading material is typically a PDF file, but may also be presented as a PowerPoint, with the option to download as a PDF file.

**\*\*\*END OF THE QUICK PRICE LIST\*\*\***



## CONTACT US

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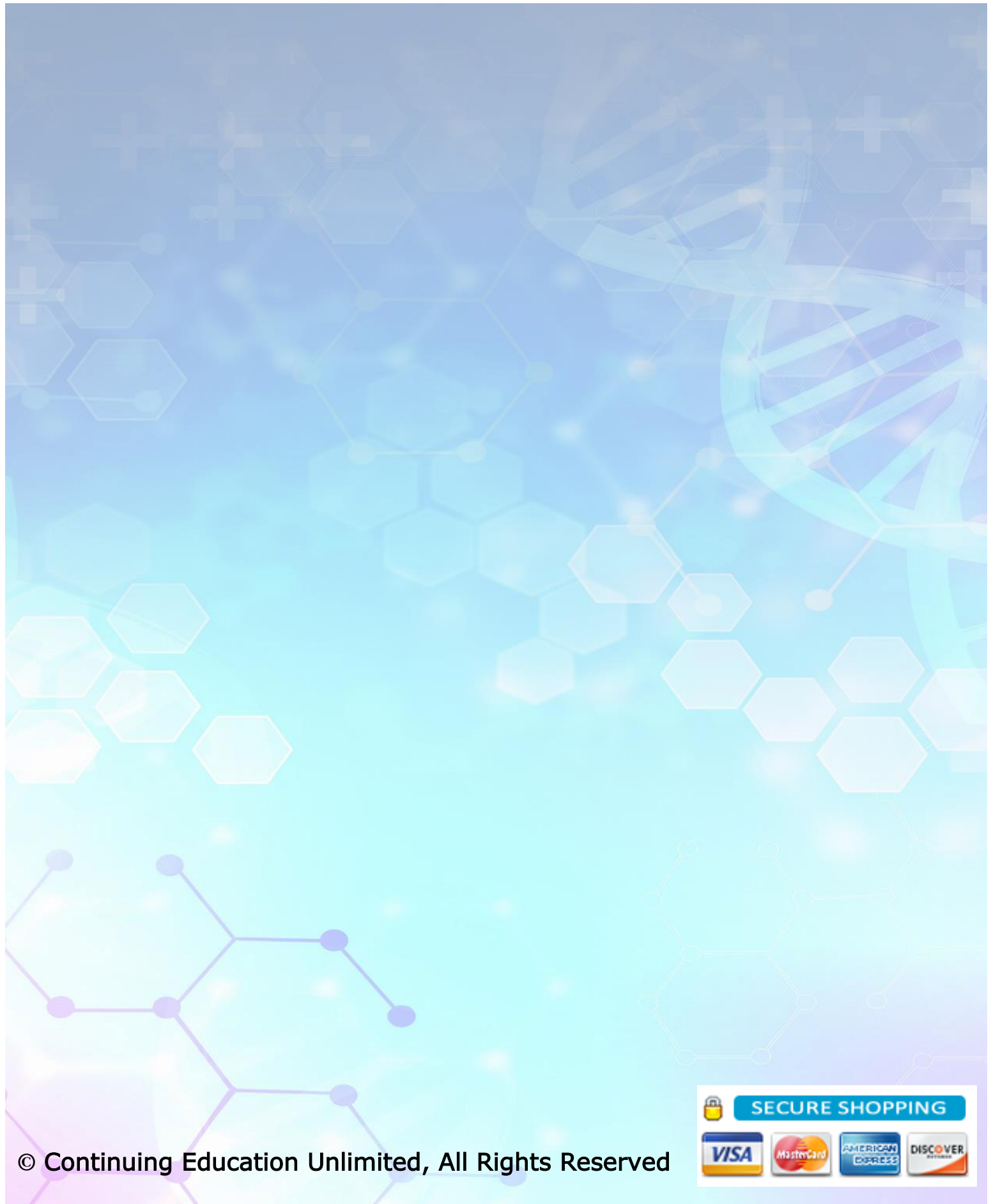
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