

Advanced Radiation Physics Inc.

2888 NW 30th Street, Boca Raton, FL 33434; Phone: 561-789-6642

Part 3 Review Course Outline

Course fee:

- \$1,600
- A non-refundable fee of \$600 is required
- Students who took Part 1 with us will pay only \$1200 for this one and if you took Part 1 and Part 2 with us you'll pay only \$800 for the oral class
- Students who only took Part 2 with us you'll pay only \$1200 for the oral class
- Retake the course for free if you don't pass.
- \$200 discount per course for Veterans and Military personnel.
- \$200 discount per person for a group of 4 or more.
- \$100 referral bonus to a review course or \$50 referral bonus to a mock exam for each student recommended.
- Remaining balance due two weeks before the class starts
- Use PayPal or send check to:
Advanced Radiation Physics Inc.

2888 NW 30th Street
Boca Raton, FL 33433-2432

- Send registration form by email to info@thearpi.com

Course fee will include:

- Two days course review :9:30 AM to 5:30 PM
- Binder, CD, or electronic file with the course material
- Review of exam like questions in the last half of the second day
- Study group organized from the first day of the course, with proposed structured schedule and mock tests monitored by an ARPI professor, active up to the exam date.

Course location:

- Online only

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Course details:

- Webinars are recorded and you can have them and listen as many times as you wish.
- Chat and documents will be shared by all the attendants from the first class of the year till the last one of the same year

Course content:

1. Reference and relative dosimetry
 - a. Reference dosimetry: Absolute calibration for photons, electrons, protons, and low-energy x-rays
 - b. Ion chamber and electrometer design, characteristics, application, and QA
 - c. Other dosimeters design, characteristics, application, and QA
 - d. Survey detectors design and application
 - e. Film design, characteristics, application, and QA
2. Treatment machines
 - a. Photon and electron medical accelerators
 - b. Proton units
 - c. Specialized machines (design and function)
 - d. Therapy imaging (including physics, equipment design, application, image reconstruction, acceptance testing, and commissioning)
 - e. Shielding and radiation safety.
3. External beam treatment planning, uncertainty management, and treatment planning system QA
 - a. Photon treatment planning
 - b. Electron treatment planning
 - c. Management of uncertainties
 - d. Treatment planning system QA
4. Brachytherapy, radiation protection, radiation biology
 - a. Brachytherapy
 - b. Treatment room shielding
 - c. Brachytherapy treatment planning
 - d. Radiation protection
 - e. Radiation biology

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5. Patient safety, data transfer and integrity, professionalism and ethics
 - a. Patient-specific treatment delivery QA
 - b. Quality control and error prevention
 - c. Incident learning systems and medical event reporting
 - d. Computing & IT
 - e. Professionalism and ethics
6. Mock oral tests

Silvia Pella, PhD, DABR

President & CEO of Advanced Radiation Physics Inc.

Affiliate Research Professor, Florida Atlantic