



Global Physics Solutions

Dear Sir / Madam,

Thank you for expressing an interest in the review courses conducted by GPS, Global Physics Solutions, formally known as ARC, Advanced Radiotherapy Consulting. I will attempt in this cover letter to explain the philosophy and modality in which these courses are conducted. Included in this mailing are an application, course schedule, and general course outline. The outline is subject to change consistent with the changing test criteria of the AAMD, ABR, and ABMP.

The demands placed on the medical dosimetrists and medical physicists today are ever increasing; diverse yet specialized at the same time. With the managed health care environment not allowing most institutions to operate at adequate staffing, the ability to find ample study time becomes more and more challenging. The intent of GPS is to fill this void by providing no-nonsense intense instruction with accompanying study guides. In a sense, GPS will have done the homework for you. Several schools have put on review board courses and have failed to provide the necessary focus to ensure students are adequately prepared to PASS their boards. Our philosophy for preparing students adequately is based on:

- Organized Study Notes
- Connecting the Physics to the Clinical Application
- Thoroughness
- Test Rehearsals

The distinction of certification is most definitely a discriminator. The American College of Radiology recognizes competent dosimetrists or physicists as those who are Board Certified. We both know that experience is equally if not more important, however, certification does have several advantages. Physicists / Dosimetrists that are board certified are paid on the average in order of \$5,000 to \$10,000 more annually. Although some may view the GPS courses as premium priced, the payback could be less than one year. GPS courses are premium priced. Why take the exam more than once or attend several other review courses that have not worked for you in the past? Time is money. Let us do the work for you. In many cases, your institute would pay for the course or a portion thereof. Administrators and Physicians need to be aware of the importance of certification. If you would like me to write or talk to these individuals for you, do not hesitate to call me. I look forward to working with you in the future.

Brent D. Murphy, MS, DABR  
Certified Medical Physicist  
Vice President of Education & Training  
GPS / ARC

**Medical Physics & Dosimetry Board Review Courses  
Schedule of Courses for December 2010 – July 2011  
Presented by: Global Physics Solutions, Inc.  
(Formerly known as ARC)**

<b>Month</b>	<b>Course Dates</b>	<b>Course</b>
<b><u>Saturday's &amp; Sunday's</u></b>		
December	December 04-05, 2010	Dosimetry Review Course
December	December 04-05, 2010	Physics Oral Review Course
January	January 08-09, 2011	Dosimetry Review Course
	January 22-23, 2011	Physics Oral Review Course
February	February 05-06, 2011	Dosimetry Review Course
	February 19-20, 2011	Dosimetry Review Course
	February 19-20, 2011	Physics Written Review Course
March	March 05-06, 2011	Dosimetry Review Course
	March 19-20, 2011	Physics Oral Review Course
April	April 02-03, 2011	Dosimetry Review Course
	April 16-17, 2011	Physics Oral Review Course
	April 30- May 1, 2011	Physics Written Review Course
May	May 14-15, 2011	Physics Oral Review Course
	<b>May 21-22, 2011</b>	<b>Dosimetry Review Course (<u>Las Vegas, NV</u>)</b>
June	June 11-12, 2011	Physics Written Review Course
<b><u>Friday &amp; Saturday</u></b>		
July	<b>July 29-30, 2011</b>	<b>Physics Written Review Course (<u>Vancouver, BC, Canada</u>)</b>
<b><u>Saturday &amp; Sunday</u></b>		
August	<b>August 06-07, 2011</b>	<b>Dosimetry Review Course (<u>Philadelphia, PA</u>)</b>

Schedule is subject to change depending on minimum class size requirements met. Please do not book airline or reserve hotel accommodations until course confirmation is received after application is submitted.

**Dosimetry Review**

*Dec. 04-05, 2010*  
*Jan. 08-09, 2011*  
*Feb. 05-06, 2011*  
*Feb. 19-20, 2011*  
*March 05-06, 2011*  
*April 02-03, 2011*  
**May 21-22, 2011 (NV)**  
**Aug. 06-07, 2011 (PA)**

**Written Physics**

*Feb. 19-20, 2011*  
*Apr.30 -May 1, 2011*  
*June 11-12, 2011*  
**July 29-30, 2011 (Canada)**

**Physics Oral Review**

*Dec. 04-05, 2010*  
*Jan. 22-23, 2011*  
*March 19-20, 2011*  
*April 16-17, 2011*  
*May 14-15, 2011*

**NOTE:**

**May 21-22, 2011 DOSIMETRY Review \* Flamingo Hotel, 3555 Las Vegas Blvd. So., Las Vegas, NV 89109 \***

**July 29-30, 2011 PHYSICS WRITTEN Review \* Vancouver, BC, Canada \***

**\* Hotel location for Course Site will be posted at a later date. \***

**2011 AAPM Meeting to be held July 31 - August 4 in Vancouver, BC, Canada**

**August 06-07, 2011 DOSIMETRY Review \* Hilton Hotel, 4200 City Ave., Philadelphia, PA 19107 \***



***Course Class Size:***

Minimum: 4 students  
Maximum: 30 students

If minimum number of students is not met, the course will be cancelled. Students that were scheduled will be notified and rescheduled for the next course date.

**Dosimetry Review Course offers CEU credits:**

***ASRT Continuing Education Credits Issued:*** 16.5

***MDCB Continuing Education Credits Issued:*** 16

***Course Fees:***

1. Dosimetry Review Course: \$2,100
2. Physics Oral Review Course: \$2,100
3. Physics Written Review Course: \$2,100

A non-refundable deposit of \$1,000 is required to reserve a seat.

Remaining balance of fee is due 10 days prior to course date unless prior arrangements have been made with GPS Administration.

Checks can be made payable to Global Physics Solutions.

MasterCard, Visa, American Express, and Discover are accepted.

***Course Fees Include:***

Twenty-hour review / instruction, breakfast, lunch, assorted snacks and beverages both Saturday and Sunday, dinner Saturday evening at Tippecanoe Place, Course Review Study Manual, access to review board webpage, and taxi transportation from hotel to the course site and back each day and from the South Bend Regional Airport and back again.

**Note: Dinner Saturday & Taxi Service not included for Philadelphia Written Course.**

***Course Hours:***

Class begins each day at 7:30 AM and ends between 4:30 PM – 5:00 PM.

***Course Location Downtown South Bend at:***

**Radiological Technologies University-VT  
100 E. Wayne Street, Suite 140  
South Bend, Indiana 46601**

**NOTE: July 16-17, 2010 Physics Written Review Course to be held in Philadelphia.**

***Course Location at:***

**Hilton Philadelphia Hotel  
4200 City Ave.  
Philadelphia, PA 19131  
Phone: 215-879-4000**

# *Medical Dosimetry*

## *2 Day Outline*

### **Day 1**

- \* **Radiation Physics**
- \* **Dose Calculation Methods**

### **Lunch**

- \* **Treatment Planning**
- \* **Tumor Localization**
- \* **Exam Question Rehearsal and Discussion**

### **Day 2**

- \* **Brachytherapy**
- \* **Radiation Protection**
- \* **Quality Assurance**
- \* **Exam Question Rehearsal and Discussion**

### **Lunch**

- \* **Exam Question Rehearsal and Discussion**
- \* **Exam Question Rehearsal and Discussion**
- \* **“Formulation of “Cheat Sheets”“**
- \* **Study Methodology**

The course will cover all materials as presented on the most recent Medical Dosimetry Certification Board outline. Exam questions will come from a compilation of resources.

# Dosimetry Review Course

## Student Testimonials

### **Cara M. Sullivan, CMD**

“Brent has a remarkable way of presenting material, and his suggestions for study habits helped me better prepare for the exam. We all know that physics can be a little boring sometimes, but Brent always kept it fun and interesting, and knew exactly when our brains needed a break!

I feel fortunate that I was able to attend this course, and I highly recommend it to future exam candidates. I not only gained my CMD out of the course, I also feel that Brent has made me a stronger and more knowledgeable dosimetrist. Thanks again to Brent and the staff at ARC. They are an amazing group of people.”

### **Carissa Freese, CMD**

“The class was a great review. I felt very confident after the class was over. Brent did a good job condensing the information and presenting it in an easy to follow fashion. The website is a good asset to have for studying. I would definitely recommend the review course to anyone wishing to pass the test and I have four different people who will be attending the ARC class for that very reason! Thanks again to Brent for helping me pass the MDCB exam!”

### **Jeff Whitmarsh, CMD**

“I found ARC class to be very helpful and informative. It did a good job of covering everything in an organized way. I am definitely a better dosimetrist now. Brent does a good job of getting through the material and he has a desire to help us become better dosimetrist. Thanks again for your help.”

### **Sharon Lenz, CMD**

“This is an excellent review course which is well worth the dollars! Brent’s presentation of the course was very thorough! He has a way of making the material understandable and able to make you remember it! He is the perfect person for the job: intelligent, patient and just lots of fun! The two days went by fast and when I left I felt very confident that I could pass the exam!

The review book and use of the website are great tools! I would recommend this course to everyone interested in passing the exam!”

### **Stephen Mughmaw, CMD**

“I could not have passed the exam without the review course. I didn’t decide to take the test until late so I started studying late. We then got very busy and you know how the story goes. Because of the focused review course I was able to concentrate my efforts. Thanks to Brent and Brandy for providing me the tools and the guidance to succeed in my first attempt. Your pass rate compared to the national should say it all. Thanks again.”

### **Mark Perry, CMD**

“I first sat for the CMD board exam in June 2002 and sadly did not pass on my first attempt. There were two main difficulties on that exam. 1) I ran out of time.  
2) Not a wide array of study material. Attending the ARC review course solved both problems and gave me confidence that I would pass on my 2<sup>nd</sup> attempt (and I did!)

I have attended other review courses and by far this is the most comprehensive and with Brent’s no nonsense approach you will be prepared to pass. The study book is invaluable. (I call it the Bible.) All the information that you need is inclusive, you just have to apply yourself. Thanks to everyone at ARC”.

## **Continued**

### **Lorraine Carroll, CMD**

"I have taken the exam prior to taking the ARC course and deciding what to study is very overwhelming. The course provided structure and guidance. Brent is very overwhelming. The course provided structure and guidance. Brent reviewed the study guide page by page and if you didn't understand, he would stop and explain. Not once did I feel "dumb." The website was also a wonderful tool. Brent or another classmate would try to answer any questions. The additional mock tests were helpful in the "test taking" practice. I would highly recommend this course to anyone taking the CMD exam. It provided detailed information and a huge support."

### **Cindy Durnin, CMD**

"I work in a setting that has no on-site physics support and does not offer any services. Because of this, I felt at a big disadvantage for taking the boards. Because of Brent and the ARC course, I was able to narrow down and focus on what I had to study. In addition, to the great review I kept a lot of Brent's little tidbits of advice in my head during studying and during the exam. Brent tells you how things really are! The website that goes along with the class is very helpful. It gives you mock exams and answers to practice. There is also a forum to chat with others that are in the same situation as you. Take the class! Brent's pass rate says it all!"

### **Jim Delver, CMD**

"Usually, Monday mornings can be pretty boring, or pretty stressful but not usually exciting. Well, that all changed last Monday when my wife called me. I was doing some "dosimetry" work when the phone rang & she said "Congratulations CMD" with great excitement in her voice. She had just opened the Prometric envelope & saw the word "Pass".

Well it's been a wonderful week, with the pressure of the exam over with, but I wanted to sit down & thank the group at ARC for what was undoubtedly the catalyst to my passing the test. I took the December 09 class at Notre Dame & loved every minute.

Brent & Greg both did a great job in preparing me for June in St. Louis. I took fastidious notes, listened to their tips & did almost everything that they suggested in preparation. I put in 388 hours of study between January & June, made over 100 flashcards & listened to the recording of the class 7 times as Brent suggested. Instead of dreading the test, I couldn't wait to take it. As I was progressing through it, my confidence mounted & I thought to myself, "I know this stuff".

One other note, from my first call to Vickie to inquire about ARC in October, through my final call to let her know I passed, Vickie was so kind & helpful. She always had time for my questions & was so gracious & thoughtful. She was the same way in person. So, whatever she's being paid, she deserves a raise! :- ) Many thanks ARC, I couldn't have done it without you & I undoubtedly will be a better dosimetrist because of you".

*Global Physics Solution, Inc.*  
(ARC)  
100 E. Wayne Street, Suite 140  
South Bend, IN 46601  
Phone (574)232-2305 \* Toll Free (866) 537-2200 \* Fax (574) 232-2405

**Registration for Review Course**

---

Attendee Name: \_\_\_\_\_ Job Title: \_\_\_\_\_

Home Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Employed at: \_\_\_\_\_

Work Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Work Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Emergency Contact: \_\_\_\_\_  
(Name & Number)

---

Please Indicate Which Course & Course dates you are interested in.

Date	Course
_____	Dosimetry Review Course
_____	Therapy Physics Oral Boards Review Course
_____	Medical Physics Written Review Course
_____	<u>Please check if you are a Vegetarian.</u> (caterer will be notified.)

Please Indicate Your Method of Payment for Deposit or Total Fee:

\_\_\_\_\_: Money Order

\_\_\_\_\_: Check: Make Checks Payable to  
Global Physics Solutions

\_\_\_\_\_: Visa / MasterCard / Discover / American Express

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Amount to be charged: \_\_\_\_\_

(\$1,000 deposit or total fee \$2,100)

\_\_\_\_\_  
Signature

If you are paying deposit at this time, what form of payment will balance be?

\_\_\_\_\_: Money Order

\_\_\_\_\_: Check: Make Checks Payable to  
Global Physics Solutions

\_\_\_\_\_: Visa / MasterCard / Discover / American Express

Credit Card Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Amount to be charged: \_\_\_\_\_

(\$1,000 deposit or total fee \$2,100)

\_\_\_\_\_  
Signature

Final payment is due within 10 days of course date.

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

.....  
Disclaimer: GPS does not guarantee that the individual applicant taking the applicable certification test will pass the exam.