

## **American Board of Health Physics Certification (CHP) Exam Review**

The famous Colorado State University online class is now being taught “live” for the first time! The purpose of this one week CHP review class is to help you to identify your weak areas, and prepare you for the type of questions and topic areas that will be on the exam.

We are offering both a part 1 and a part 2 review class. Dr. Thomas E. Johnson, CHP, CLSO, NRRPT, will be teaching the classes. He has taught CHP review classes for the past 15 years. In the past 4 years alone, approximately 20% of those who pass the exam have taken one of his classes as a part of their preparation.

Passing the exam will take significant effort on your part. Please note that a CHP review class alone will not be sufficient preparation to pass the CHP exam, but it will help you to organize your study plan, and determine where to focus your study efforts. There is no “secret” to passing the exam, except a thorough preparation, and this class can be a significant part of your preparation process.

You must bring your ABHP approved calculator you plan to use for the exam to class. Paper, writing instruments and study materials will be provided for all of the classes.

**Part 1 review:** April 1-5, 2013 at the Anschutz Medical Center, Aurora, CO, minutes from Denver International Airport. Classes will be from 8 am to 5 pm each day.

### **Part 1 review materials:**

Introduction to Health Physics, 4<sup>th</sup> Edition  
The Health Physics Solutions Manual, 2<sup>nd</sup> Edition  
Course overheads and notes

Proposed schedule (subject to change based on student needs)

### ***Monday***

Review of exam mechanics – Exam setup, questions, grading, topic areas  
Problem solving review  
Atomic Structure  
Interaction with Matter

### ***Tuesday***

External Dosimetry  
Internal Dosimetry  
Instrumentation

### ***Wednesday***

Shielding and Activation  
Biological Effects and Radon  
Environmental HP  
Fuel Cycle and Transportation

***Thursday***

Non-ionizing Radiation  
Medical Physics  
Regulations and Standards

***Friday***

Accelerators  
Reactors and Criticality  
Review of Overall Exam and logistics  
Special Student Topics

**Part 2 review:** May 13-17, 2013 at the Anschutz Medical Center, Aurora, CO, minutes from Denver International Airport. Classes will be from 8 am to 5 pm each day.

**Part 2 review materials:**

The Health Physics and Radiological Health Handbook, 4<sup>th</sup> Edition  
Part 2 questions and solutions  
Course Overheads and notes

**Proposed schedule** (subject to change based on student needs)

***Monday***

Review of exam mechanics – Exam setup, questions, grading, topic areas  
Problem solving review  
Review equation sheet  
Example part two question: General

***Tuesday***

Review of statistics  
Part two exam question: Environmental  
Review of fuel cycle  
Part two exam question: Fuel Cycle

Review of reactors

Part two exam question: Reactors

***Wednesday***

RF and Laser review

Part two exam question: Nonionizing

Accelerator review

Part two exam question: Accelerators

***Thursday***

Instruments review

Part two exam question: General

Medical review

Part two exam question: Medical

***Friday***

Review of Overall Exam and logistics

Special topics as determined by students