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## BASIC EKG: ROCE 5202

**Course Length:** 15 hours

**CEUs Awarded:** 1.5 CEUs

**Endorsements:** This course is sponsored by Tennessee State University, an accredited physical therapy educational institution, for Continuing Education Units.

### Overview:

This course is for nurses and other healthcare professionals who care for patients with cardiac disease and must be able to interpret EKG rhythm strips in a variety of settings, ranging from emergency situations to routine dysrhythmia analysis.

The content that this course covers is needed in all acute care emergency settings by a variety of healthcare professionals such as nurses, paramedics, EMTs, etc. The information contained in this course is not provided in detail in most nursing programs and only emergency dysrhythmia is stressed in paramedic and EMT curricula. Having a basic understanding of EKG dysrhythmia is a prerequisite for critical care courses and the American Heart Association's Advanced Life Support course which is required by many healthcare facilities for specific healthcare roles that respond to emergencies and care for critically ill patients.

### Target Audience:

This course is designed for medical laboratory scientists and medical laboratory technicians. It serves as a solid review or enhancement tool for laboratory professionals.

### Career Outlook and Benefits:

According to the Bureau of Labor Statistics, Tennessee Department of Labor, the median income for emergency medical technicians and paramedics is \$28,430.

### Hardware & Software Requirements:

You will need the following: Computer with Internet access, the ability to use Microsoft Word, web navigation skills and email skills.

### Textbook Requirements:

No textbooks are required. All reading and reference materials are supplied in the course.

### Course Dates:

Course can be taken any time between January 7 - June 3, 2013

### Registration Dates:

Open enrollment from January 7 - June 3, 2013

### Course Fee:

\$132

### Payment:

Cash, Mastercard or Visa Credit Card, Check, Money Orders accepted





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## INTRODUCTION TO RADIOLOGY FOR THE HEALTHCARE PROFESSIONAL: ROCE 5702

**Course Length:** Self-paced, 15 modules

**CEUs Awarded:** 1.5 CEUs (15 contact hours)

**Endorsements:** This course is sponsored by Tennessee State University, an accredited physical therapy educational institution for Continuing Education Units. The American Physical Therapy Association (APTA) states, "Class I acceptable continuing competence evidence shall be: Home study courses or courses offered through electronic media approved by recognized health-related organizations or accredited physical therapy educational institutions that include objectives and verification or satisfactory completion."

**Overview:** This course focuses on the basic principles and interpretation of radiographs as they apply to physical therapists and other healthcare professionals. The course provides an understanding of the basic physics of imaging, and the viewing and interpretation of films. The course will provide an opportunity to review images of the spine and upper and lower extremity joints. Radiographic anatomy and interpretation will be correlated to the clinical setting through case studies. The course also introduces other types of imaging including magnetic resonance imaging.

According to the American Physical Therapy Association, the professional training and expertise which characterize physical therapists has been recognized by 46 states and the District of Columbia. These states have removed the out-dated provisions requiring a referral by a physician from their statutes and have given patients direct access to the services provided by physical therapists.

This course prepares physical therapists with an understanding of radiology so that they can effectively evaluate and treat patients in the arena of direct access.

**Target Audience:** Physical therapists, occupational therapists and other healthcare professionals interested in broadening their understanding of radiology and improving the care of their patients in various clinical settings.

**Career Outlook and Benefits:** All states regulate the practice of physical therapy. Eligibility requirements vary by state. This course should meet a state's continuing education requirement as a condition of maintaining licensure.

According to the US Department of Labor, Bureau of Labor Statistics, job opportunities for physical therapists should be particularly good in acute hospital, skilled nursing and orthopedic settings, where the elderly are most often treated. Job prospects should be especially favorable in rural areas as many physical therapists tend to cluster in highly populated urban and suburban areas.

### Hardware & Software Requirements:

You will need the following: Computer with Internet access, the ability to use Microsoft Word, web navigation skills and email skills.

### Textbook Requirements:

Visit the Virtual Bookstore, <http://rodp.bkstr.com>, for textbook requirements.

### Course Dates:

Modules can be taken any time between January 7 - June 3, 2013

### Registration Dates:

Open enrollment from January 7 - June 3, 2013

**Course Fee:** \$132

### Payment:

Cash, Mastercard or Visa Credit Card, Check, Money Orders accepted





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## DOSAGE CALCULATIONS FOR NURSES: ROCE 5211

**Course Length:** 36 hours

**CEUs Awarded:** 3.6 CEUs

### Overview:

This course is designed to provide students with a comprehensive overview of dosage calculations - a vital part of the nurse's role in providing safe medication administration to patients. This course serves to ensure that the patient receives the accurate dose of each medication. Supervisors want to be assured that the dose ordered by the healthcare provider is accurately calculated using the dosage form available and the dosage ordered. The course will allow students to choose what method of dosage calculations work for them and will make the students more comfortable with performing dosage calculations.

### Target Audience:

This course is intended for LPN students, RN students, and licensed nurses. Students waiting to get into a nursing program can take this course and brush up on their math skills before they start nursing classes. Students who do not satisfactorily complete the math classes in their nursing program can take this course for remediation. It can also serve as a refresher course for licensed nurses.

### Career Outlook and Benefits:

According to the US Department of Labor, Bureau of Labor Statistics, overall job opportunities for nurses are expected to be excellent, with some employers reporting difficulty in attracting and retaining an adequate number of registered nurses.

This course will help students review math skills needed to complete a nursing program. If you think you might need to brush up on your math skills before entering a nursing program, this online course is designed to allow you to work at your own pace and your own time to prepare for the next step in your education.

### Hardware & Software Requirements:

You will need the following: Computer with Internet access, the ability to use Microsoft Word, web navigation skills and email skills.

### Textbook Requirements:

Visit <http://rodp.bkstr.com> for textbook information.

### Course Dates:

January 7 - May 6, 2013

### Registration Dates:

January 7 - April 1, 2013

### Course Fee:

\$288

### Payment:

Cash, Mastercard or Visa Credit Card, Check, Money Orders accepted





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## DIFFERENTIAL DIAGNOSIS FOR PHYSICAL THERAPISTS: ROCE 5703

**Course Length:** 15 hours

**CEUs Awarded:** 1.5 CEUs

### Overview:

The course covers the principles and methods of clinical screening in physical therapy practice and briefly summarizes diagnostic imaging, laboratory testing, and other medical diagnostic procedures. A basic format for musculoskeletal, neuromuscular, integumentary and cardiopulmonary screening in physical therapy will be presented, with a focus on differential diagnosis within the scope of physical therapy practice. The course also addresses how the physical therapist role interfaces with the physician role.

### Target Audience:

Licensed Physical Therapists

### Career Outlook and Benefits:

According to the Bureau of Labor Statistics, Tennessee Department of Labor, the median income for physical therapists is \$71,670. This course was developed based on the criteria outlined in the Board of Physical Therapy Position Statement, Direct Access to Physical Therapy adopted on August 17th, 2007. It meets the criteria for 1.5 CEUs as outlined in the Rules of the Tennessee Board of Physical Therapy, August, 2007 revision. It is at the licensee's discretion to review the course content prior to taking this or any course, and to make a determination regarding both the course's ability to meet Direct Access guidelines and continuing education requirements.

### Hardware & Software Requirements:

You will need the following: Computer with Internet access, the ability to use Microsoft Word '98 version or higher, web navigation skills and email skills.

### Textbook Requirements:

Visit <http://www.rodpc.bkstr.com/> for textbook information.

### Course Dates:

March 11 - April 29, 2013

### Registration Dates:

December 3, 2012 - March 7, 2013

### Course Instructor:

Natalie Housel, PT, EdD  
Associate Professor  
College of Health Sciences  
Tennessee State University

### Course Fee:

\$132

### Payment:

Cash, Mastercard or Visa Credit Card, Check, Money Orders accepted





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## ALLIED HEALTH MATH ASSESSMENT TEST PREP: ROCE 1501

**Course Length:** Designed to be completed in 30 hours

**CEUs Awarded:** 3.0 CEUs

### Overview:

This is a preparatory course for students interested in the Allied Health certificate and diploma programs (i.e., Practical Nursing, Dental Assistant, Pharmacy Technician, Surgical Technologist, Phlebotomy, Bio-Medical Technician) offered at the Tennessee Technology Centers. This course prepares you for the COMPASS® test, which is required for entrance into the Allied Health programs. It concentrates on Math skills (addition, subtraction, multiplication, division, fractions, decimals, percents, ratio and proportion, and number conversions) plus, basic algebra and reading comprehension. The objective of the course is to help you obtain a passing score on the COMPASS test through a combination of online discussions, teacher-made activities and pre-tests.

### Target Audience:

Any individual needing a refresher in basic math skills or seeking preparation for the COMPASS Math entrance exam may benefit from this course.

### Hardware & Software Requirements:

You will need the following: Computer with Internet access, the ability to use Microsoft Word, web navigation skills and email skills.

### Textbook Requirements:

Visit <http://rodp.bkstr.com> for textbook information.

### Course Dates:

January 7 - June 3, 2013

### Registration Dates:

December 3, 2012 - April 15, 2013

### Course Fee:

\$240

### Payment:

Cash, Mastercard or Visa Credit Card, Check, Money Orders accepted



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1-888-223-0023

Email: [roce@tbr.edu](mailto:roce@tbr.edu)