



**RAD 103 -**

This course is a continuation of Rad 100 Intro to Rad Tech. The major emphasis of Radiographic Positioning and Procedures II is vertebral column and completion of lower extremity from IRT course. Pertinent anatomy is reviewed and positioning theories discussed. These theories are applied in a laboratory and clinical setting.

**RAD 104 -**

This course teaches the safe practice and procedures in the use of ionizing Radiation. The concepts and principles of radiation protection and radiobiology will be included. This course also reviews cellular anatomy and informs the students of two theories of interaction between ionizing radiation and molecular bodies. It discusses the effects of ionizing radiation on the

**RAD 204 -**

This course follows the introductory RT course and describes beam-restricting devices, grids and radiographic exposure factors. It also covers principles of conventional fluoroscopy, image intensification, video camera tubes, TV chains and imaging devices. It includes discussions on cinefluorography, tomography and mobile radiography. It introduces the student to digital imaging, computer tomography, computer radiography, nuclear medicine, positron emission tomography (PET), single photon emission computer tomography (SPECT), ultrasonography, cardiac cauterization, DEXA and magnetic resonance imaging.

**RAD 205 -**

This course is designed to introduce the student to the various Quality Assurance and Quality Control methods utilized in radiology departments today. It is also designed to give the students radiology departments.

**RAD 207 -**

ew, thus helping them to do the very best on their certification exam. The review course is divided into 5 sections: (1) Patient Care, (2) Radiographic Exposure, (3) Radiation Protection, (4) Equipment Operation and Maintenance and (5) Image Production and Evaluation. This comprehensive review course consists of practice tests that are designed to duplicate the experience of taking the certification exam.

weaknesses. This will enable the student to be prepared for the certification exam. Students will be able to design a study schedule to help them prepare for the exam. Test-taking strategies will also be reviewed.

The Clinical performance grade is based on the student meeting established standards of achievement, Clinical Evaluations, Clinical Competencies, Positioning Grade, Comprehensive Exams, attendance and program requirements for each semester.

RAD 102	Clinical Education I	3 credits
RAD 105	Clinical Education II	4 credits
RAD 108	Clinical Education III	3 credits
RAD 203	Clinical Education IV	7 credits
RAD 206	Clinical Education V	7 credits

***Courses taught by Pennsylvania Highlands Community College***

**HSC 130 Basic Anatomy (pre-requisite) 3 credits**

This course introduces the student to the basic human anatomy and physiology. All systems are discussed in a primary learning level. Included is clinical application of related disease processes, diagnostic procedures and therapeutic measures. This is a foundation course for concurrent and upper level courses.

**ACP 100 Academic and Career Pem4(Pe)4( )-4( )-4(A)4(I)5(I)[A]26(ca)3(d 0 01)11(( )-4(Pe)4( )-4(or)00**



