

RAD 202

HAGERSTOWN COMMUNITY COLLEGE  
OFFICIAL MASTER SYLLABUS DOCUMENT

**COURSE:** RAD 202 – Medical Imaging II

3 Credits

**COURSE DESCRIPTION:** In this course special imaging areas such as pediatrics, geriatrics and advanced imaging techniques used to enhance patient diagnosis, treatment and patient care are studied. Course fee required. Total of 45 hours of lecture.

**TEXTBOOKS:**

Carlton, Richard R., Principles of Radiographic Imaging, 4<sup>th</sup> edition, Delmar, United States, 2006.

Bontrager, Kenneth, Textbook of Radiographic Positioning and Related Anatomy, 9<sup>th</sup> edition, Elsevier Mosby, 2017

**STUDENT LEARNING OUTCOMES:**

1. Demonstrate knowledge of special imaging systems.
2. Apply appropriate radiation protection and standard precautions when using special imaging systems.
3. Recognize the strengths of the specialized imaging areas in diagnosis.
4. Recognize the ethical and legal principles basic the specialized imaging areas.

**TOTAL HOURS OF COURSEWORK:**

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. This 3 credit course achieves the minimum of 112.5 hours of total time by requiring 50 hours of instructional time and 62.5 hours of student work outside of instructional time.

**ACCOUNTING FOR CREDIT HOUR REQUIREMENT:**

Assignments/Assessments

Clock Hours

|  |                                 |
|--|---------------------------------|
| Reading/studying for lecture exams   | 4 exams X 15 hours per exam=60  |
| Reading/studying for quizzes   | 4 quizzes X 8 hours per quiz=32 |
| Preparing for Team Presentation  | 10 hours                        |
| Professional Communication Presentation<br>(research, writing paper, preparing presentation) | 10 hours                        |
| <b>Total out of class time</b>   | <b>112 hours</b>                |

**SERVICES FOR STUDENTS WITH DISABILITIES:** Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at [dss@hagerstowncc.edu](mailto:dss@hagerstowncc.edu) or at 240-500-2530.