JEFFERSON COLLEGE
COURSE SYLLABUS

RAD185
Radiography Curriculum Review and Professional Development
3 Credit Hours

Revised by: Janet E. Akers BS RT (R)(M)
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RAD185 Radiography Curriculum Review and Professional Development

I. CATALOGUE DESCRIPTION

A. Prerequisites: Acceptance to Radiologic Technology Program, and reading proficiency.

B. Credit hour award: 3

C. Description: This course provides the student with a general review of all previous coursework through multiple examinations on concepts in radiation protection, patient care management, radiographic procedures, image production and equipment operation, so as to prepare the student for the national registry exam. This course also discusses matters involving current trends in imaging, career options, the importance of critical thinking skills to the profession, and professionalism of registered Radiologic Technologists. (S)

II. EXPECTED LEARNING OUTCOMES/CORRESPONDING ASSESSMENT MEASURES

<table>
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<tr>
<th>Expected Learning Outcomes</th>
<th>Assessment Measures</th>
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<tr>
<td>Restate the principle concepts regarding image production and equipment operation to enhance image quality.</td>
<td>Written Assignments</td>
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<td>Class Discussion/Activity</td>
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<td>Written Examinations</td>
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<td>Relate practicum experience for all traditional and non-traditional procedures including radiation protection/safety precautions.</td>
<td>Class Discussion/Activity</td>
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<td>Written Examinations</td>
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<td>Written Assignments</td>
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<tr>
<td>Evaluate students understanding and retention of core radiology curriculum content.</td>
<td>Class Discussion/Activity</td>
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<td>Written Examinations</td>
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<td>Written Assignments</td>
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<td>Mock Registry Examinations</td>
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<td>Develop a cover letter, resume and thank-you letters.</td>
<td>Class Discussion/Activity</td>
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<td>Written Assignments</td>
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<td>Develop/demonstrate improving interview skills.</td>
<td>Oral Communication Assignment</td>
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<td>Discuss current trends in imaging, career options and continuing education.</td>
<td>Class Discussion/Activity</td>
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<td>Internalize critical thinking skills.</td>
<td>Class Discussion/Activity</td>
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III. OUTLINE OF TOPICS
   A. Professional Development
      1. Current Trends in Imaging
      2. Career Options
      3. Importance of Critical Thinking Skills
         i. Definition of Critical Thinking
      4. Portfolio & Interviewing
         i. What is a professional portfolio
         ii. Components/parts that constitute an effective portfolio
            1. Cover letter
            2. Resume
            3. Thank You Letters
            4. Necessary Documentation
         iii. Develop, Compile and Present a portfolio
         iv. Utilize a professional portfolio effectively as an interview instrument
   B. Registry Review/Testing
      1. Saint Catherine’s Testing
      2. Corectec Online Testing
   C. ARRT Requirements
      1. Orientation to Examination
      2. Review of ARRT Examination Handbook
      3. Helpful hints for review and studying
      4. Academic requirements for exams
      5. Evaluation methods
      6. Content Review
         i. Testing Areas
            1. Radiographic Exposure
            2. Patient Care Management
            3. Medical Terminology
            4. Radiation Protection
            5. Radiobiology
            6. Radiographic Positioning
            7. Radiographic Pathology
            8. Radiographic Physics
            9. Image Intensification
           10. Quality Assurance

IV. METHOD(S) OF INSTRUCTION

   This course is taught using a variety of instructional methods, which include but are not limited to interactive lectures, computer presentations, group activities and exercises, videos, supplemental handouts and student presentations. Students are expected to be ACTIVE participants in the learning process. Students are expected to read the assigned readings prior to scheduled class meetings and come to class
prepared to actively participate in all activities.

V. REQUIRED TEXTBOOK(S)

B. Corectec Online Registry Review (www.corectec.com)

VI. REQUIRED MATERIALS

A. A computer with internet access and basic software to include Word and Power Point (available through Jefferson College labs)
B. Course homepage available through Blackboard
C. Binder, paper, pens, pencils with erasers, highlighters

VII. SUPPLEMENTAL REFERENCES

A. Class Handouts
B. Library Resources
   1. Textbooks
   2. Periodicals
   3. Films On Demand Videos
C. Internet Resources
   1. On-line references
   2. Textbook companion website

VIII. METHOD OF EVALUATION (basis for determining course grade)

GRADES – Grades will be based on the percentage of total points earned out of total points possible for this semester. The assignments will vary in the number of possible points based upon amount of work involved and complexity of material. A final semester grade of 80% or above must be achieved in this course to successfully complete this course.

EXAMS – All exams with scores less than 75% must be retaken until a score of 75% or above is achieved to complete course requirements. The original score will be used to figure the semester grade. The student will be allowed to retake an exam a maximum of two times. If the student has not passed an exam within the three designated attempts, the student will present to the review board and may be dismissed from the program. The student must contact the instructor prior to any absence to make arrangements for retesting. Until course requirements are met, the final grade will be an incomplete.

If an exam is not taken at the scheduled time and arrangements for a make-up exam have not been made prior to the designated exam time, the grade for that exam will be zero. No make-up exam will be considered unless the instructor is personally notified prior to the absence. If a student arranges to take the exam at other than the scheduled time, 5% will be deducted from the
grade on that exam. Make-up exams are scheduled at the convenience of the instructor. Student’s grade will also be based on participation in class and attendance.

ASSIGNMENTS – Please plan to devote at least four to six hours per week in addition to class meetings for completing homework assignments, reviewing, composing rough and final drafts, and preparing for the next class session. In order to be prepared for each class meeting, the student should complete each homework assignment prior to the following class meeting. Assignments will consist of worksheets, textbook reading, review questions and other activities to enhance the learning experience.

Evaluation tools may include research projects, written and oral communication projects, class attendance/participation, homework assignments, and exams.

Grading Scale: *(Jefferson College Radiologic Technology Program’s)*

- A= 100-92%
- B= 91.9-86%
- C= 85.9-80%
- D= 79.9-70%
- F= 69.9 and below
- I= Incomplete
- W= Excused withdrawal from course

IX. ADA AA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (Library; phone 636-481-3169).

X. ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus policies as stated in the Student Handbook (see College website, http://www.jeffco.edu/jeffco/index.php?option=com_weblinks&catid=26&Itemid=84

XI. ATTENDANCE STATEMENT

Students earn their financial aid by regularly attending and actively participating in their coursework. If a student does not actively participate, he/she may have to return financial aid funds. Consult the College Catalog or a Student Financial Services representative for more details. Student’s grade will also be based on participation in class and attendance.