



Division of Health Professions RAD 290-001 Senior Student Seminar

Course Information: Course Syllabus of Study for Clinical Education RAD 290-001

Course: Senior Student Seminar
Course Code: RAD 290
Credits: 3 credits
Semester: Summer U 2016
Co-requisites: None
Pre-requisites: Radiography I, II, III and IV
Radiography Clinical I, II, III and IV
Intermediate Radiography Clinical

Faculties: Elizabeth M. Romano, MS Ed., R.T. (R) (M)
Clinical Education Coordinator

Joseph A. Mamatz, Jr., M.A.Ed, R.T. (R) (T)
Radiography Program Director

Course Description

Senior Student Seminar involves the performance of routine, complex, advanced and terminal radiographic procedures under the supervision of a registered radiographer and/or college instructor in the radiography department. Students spend approximately 12 weeks meeting the established requirements for competency based clinical education, as set forth by the JRCERT and State of NJ. Specialty elective rotations may continue. Upon completion of all required radiography core and clinical competency (ICCE, CONTINUAL, ELECTIVE, AND TCCE) requirements, Students will then be allowed to take the Radiography Exit examination. Upon successful completion of the Radiography exit examination (80%) or better students are "signed off" by the program director, after the BCC registrar determines that all curriculum has been successfully completed. Students will be notified electronically and are then eligible to apply to the ARRT for the radiography certification examination.

Course Requirements: This semester, the radiography students will be required to:

- ❑ Complete all didactic and clinical radiography courses
- ❑ Complete required liberal arts and science courses (check your program evaluation).
- ❑ Attend all mandatory ARRT registry preparation classes and required activities



Division of Health Professions RAD 290-001 Senior Student Seminar

- Complete all required numbers of mandatory, elective, continual, competencies. Students may then proceed to Terminal competencies as part of the program completion, When **ALL** competencies have been completed students may then take the Radiography exit examination.
- Complete the competency summation sheet. Maintain a clinical technique book
- Participate in weekly clinical classes and film evaluations.
- Complete all terminal evaluations and all ARRT preparation materials (Terminals begin after all Mandatory, continual and elective competencies are completed).
- Terminals may not begin until after June 1, 2016

TERMINAL (T) (TCCE) - Start after June 1, 2016

Terminal Clinical Competency Evaluations (TCCE) may begin during RAD 290, Senior Student Seminar (after June 1, 2016).

Terminal Evaluations may be attempted after the student has successfully completed the program requirements: all mandatory, continual and elective competencies are completed and not before 3 months of anticipated graduation.

Each examination must be from a specified category, a Terminal examination is one that requires an alternate projection, from the Standard facility protocol and **MUST** be performed on a patient.

Terminals may NOT be simulated under any circumstances. Upon successful completion of the required terminal evaluations, the student will receive notification that he/she has successfully met all requirements for Competency Based Clinical Education. This will permit the student to be a candidate for graduation from the Radiography Program.

REQUIREMENT = (6- MUST be performed on patients= simulations are not allowed)

- 1) 1-upper extremity trauma study
- 2) 1-lower extremity trauma study
- 3) 1-Spine trauma study
- 4) 1-Peds/Geriatric
- 5) 1-Hip or Pelvic study trauma study
- 6) Run a room with minimal assistance for the period of one day
(It is up to the clinical instructors to note what "one day" means and their decision is final).

Example: Busy Hospitals may only require 4-5 hours running a room; whereas, slower hospitals may require 8 hours or more.



Division of Health Professions RAD 290-001 Senior Student Seminar

****PLEASE NOTE:**

If a student is unable to complete all the Mandatory, Continual, and Elective and Terminal competencies (as required by the State of NJ, ARRT and JRCERT) by the completion of RAD 290 in the Bergen Community College Summer U semester, then the student will receive a grade of INC.

With a grade of INC the student is not be eligible for BCC/program graduation or scheduling/taking the ARRT registry exam.

The INC grade may be resolved in September of the Fall 2016 semester. When the incomplete grade is successfully resolved the student will “graduate” and be signed off to take the registry.

Grading Policy: The final course grade for RAD 290 consists of the following criteria:

20%	Summative Profile Evaluation Form
20%	Summative Affective Domain Evaluation
50%	Radiography Exit Examination
10%	ARRT related activities, assignments and assessments

ARRT Assignment:

Each Student is required to construct an outline of Sections A, B, C, E of the content specifications from the ARRT. See content specs on www.arrt.org

Rationale: This assignment is designed to give the student a thorough review/study tool.

The program and faculty have the philosophy that this review process should be your responsibility. Success or lack thereof rests with the individual student. You must establish study time. Failure to prepare and study may lead to an unsatisfactory outcome. Anxiety and other issues that could affect the outcome must be addressed (there are personal counselors in HS-100 that may be of assistance). Once the program signs you off you are under the auspice of the ARRT.

Course Textbooks-

All textbooks utilized during the past semesters will continue to be used.



Division of Health Professions RAD 290-001 Senior Student Seminar

Any new book requirements will be announced electronically.

Supervision and Repeat Radiograph Policy

Regardless of the student's level of competency, ALL unsatisfactory radiographs **MUST** be repeated only under direct supervision of a licensed radiographer. Failure to comply with this State of NJ and National policy will result in Clinical suspension (for 2 weeks) for a first offense and mandatory dismissal from the program for any subsequent offense.

Direct Supervision

Prior to competency, all students are required to work under direct clinical supervision. All medical imaging procedures are performed under the direct supervision of a qualified practitioner (licensed radiographer). Successful completion of the competency steps will enable the student to request an Initial Clinical Competency Evaluation (ICCE). Students must demonstrate confidence and proficiency when performing the procedure for an Initial Clinical Competency Evaluation. The student must perform all Competency evaluations independently under the direct supervision of a college clinical educator ONLY.

All operating room, portable, special and specialty imaging procedures require direct supervision of a licensed radiographer, regardless of the student's level of competency. Specialty Imaging is *observation* only.

Indirect Supervision

Once students have passed competency in a given procedure, students may perform this examination under indirect supervision. Indirect Supervision is defined as, "Supervision provided by a licensed radiographer who is immediately available to assist students, regardless of the level of student achievement." Whereas, the concept of "immediately available" is interpreted as the presence of a Licensed Radiographer adjacent to the room or location where a radiographic procedure is being performed. This availability applies to all areas where ionizing radiation equipment is in use and does NOT mean a "phone call away."

Attendance Requirement and Policy

Allowable Absence for RAD 290

CLINICAL COMPONENT ONLY = ONE day.

Beyond the one day and any late events will be reflected in the Profile and Affective Domain forms.



Division of Health Professions RAD 290-001 Senior Student Seminar

REVIEW CLASSES COMPONENT- ONE permitted absence from BCC campus review class. Due to the seriousness of the review component to which the program is not obligated to offer, the faculties have determined that you are to attend each review session (morning & afternoon) and maximize the review software, tutoring and written assignments. Failure to attend the sessions may have a negative impact on the student's registry examination score. Program officials cannot be held accountable for any negative impact.

Extended Absence Policy

Please be advised that a doctor's note does NOT excuse the absence; it justifies it. The Program committee will review extenuating circumstances, and based on the number of absences make recommendations for the students educational welfare. Generally, extenuating circumstances include but are not strictly limited to serious illness, broken bones, or emergency surgery. Any more than 2 consecutive absences (clinical or campus) will require an explanation to the radiography program officials.

Late to clinical events are not tolerated and the amount of "late time" is deducted from the students one personal day. (Ex. Monday 1hour late to clinical = personal day now 7hrs).

Dress Code Policy and Professionalism

This category reflects the student's professional appearance, attire and ethical practice at the clinical site. All students are expected to comply with the regulations found in this course syllabus, student handbook, as well as the rules and policies in the College Catalog.

Clinical Education Calendar

RAD 290 starts with the first day of BCC Summer U and ends on the last day of BCC summer U semester. Please check the college calendar for the exact dates.

Statement of Understanding

Please be advised that the policies and procedures indicated in this syllabus are Subject to change. If any change is made, all students will be notified electronically. Attendance to clinical and the class is mandatory.

Week 12 of summer activities may include:

- Pulling it all together = Studying for the exit examination
- Question and answer sessions of confusing content= Computer mock registry examinations and Radiography computer challenge programs



Division of Health Professions RAD 290-001 Senior Student Seminar

- Computer based Radiography Exit examination (must pass with 80% or higher)
Students may take this exam if all mandatory, continual, elective and terminal competencies are done.
- Review of the examination
- Development of a strategy for continued studying for the registry examination

Upon successful completion of Radiography Exit Examination- the student will Submit all forms for review:

- ✓ attendance records, terminal packets, final competency summation sheets and performance records with all required signatures
- ✓ ARRT Paper work will be discussed and students will be made aware of procedures.

Radiography unsuccessful Exit Examination Policy:

ACTION PLAN: for Unsuccessful completion of the Radiography Exit Exam
Re-take exit examination if unsuccessful (below 80%)

Step 1- an unsuccessful first attempt (below 80%) will require remediation- (validated by a Radiography Program Official and/or Program approved tutor).

Step 2- The Student will have ONE (1) additional attempt to pass the Radiography Exit Examination with a score of (80%) or higher.

Should the student be unsuccessful with the second attempt (score below 80%) then the grade assigned would be an F. At that point, the student will have to repeat the course (RAD 290) in Summer 2017.

Rationale for: Action plan/ Exit Exam scores

The above stated action plan is in place to help assure that students are successful with the ARRT Registry examination on the first attempt. An 80% on the exit examination provides a "comfort zone" for the ARRT examination.

Experientially students score +/- 3 points (from the exit exam) on the ARRT examination.

Please note that the state of New Jersey, no longer issues a temporary license. Therefore, it is critical to be successful with this examination on the first attempt.

The program Director will not sign off for final validation any student who is clearly unprepared to be successful with the registry examination.



Division of Health Professions RAD 290-001 Senior Student Seminar

Semester Competency Requirements:

	RAD 182	RAD 282	RAD 283	RAD 286	RAD 289	RAD 290	TOTALS
Patient care simulation	6	0	0	0	0	0	6
Mandatory cases	1	6	8	8	8	0	31
Elective cases	0	2	3	5	5	0	15
Continual cases	0	0	2	2	1	0	5
Terminal cases	0	0	0	0	0	5+	5+
Image Evals	2	3	5	5	5	5	25

Grading Policy

- A 92-100%
- B+ 89-91%
- B 83-88%
- C+ 80-82%
- C 77-79%
- D 76.9-70% not recognized by the radiography program
- F 69.9% and lower unsuccessful



Division of Health Professions RAD 290-001 Senior Student Seminar

RAD 290-001

Summer 2016

I _____ do hereby acknowledge the Syllabus for RAD 290.
PLEASE PRINT NAME

This syllabus has been posted to Moodle.

If I have any questions, I am free to ask.

I agree to abide by all the inclusions and policies contained within the syllabus.

NAME: _____
PLEASE SIGN NAME

DATE: _____

**This document and policies contained within are subject to change.

Students will be notified accordingly through electronic mail.

Under NO circumstances are students to go to the program director without first meeting with/contacting the clinical coordinator.