CASPER COLLEGE COURSE SYLLABUS
RDTK 1910 01
Clinical Education III

Semester/Year: Spring 2016

Lecture Hours: 13.5
Lab Hours: 13.5
Credit Hours: 3

Class Time: 7:30-12:45: See clinical rotation schedule.
2:00-3:15: Simulation
Days: Thursday/Fridays: See clinical rotation schedule.
Monday/Tuesday: Simulation
Room: HS118/119 Simulation in College Lab

Instructor’s Name: Fred Kuck  B.S., R.T. (R)
Instructor's Contact Information: Please do not call home phone or cell after 9 pm.
Office Phone: 268-2239
Email: fredk@caspercollege.edu

Office Hours: HS 119 Monday/Tuesday 9:30-11:30

Course Description: This course involves a practical learning experience in the clinical radiographic environment. Students participate at pre-scheduled time periods and practice their radiographic skills for a total of 195 clinical education hours at various clinical locations. Students will be under the supervision of clinical instructors or registered radiographers during their experience. Skills necessary to perform entry level tasks in the clinical setting will be reviewed. Positioning skills of the spine and contrast studies will be covered. See program policies for clinical clock hours vs. credit hours description.

Statement of Prerequisites: RDTK 1710 and 1810

Goal: Upon satisfactory completion of this course the student will have (at an entry level) the knowledge and technical skills to competently and safely perform, with quality patient care, medically diagnostic imaging related to the content studied in this course. The student will also be able to demonstrate this knowledge by answering correctly any questions related to this material that may be asked on the ARRT Registry test for radiographers.

Outcomes:
Procedure Comprehension:
During clinical education and simulation the student will:
1. Describe the anatomy visualized.
2. Describe the positions used, in terms of direction of the central ray and part placement.
3. Name the size of film ordinarily used.
4. Name the contrast media, if any used.
5. Describe the preparation of the patient.
6. Identify radiographs of the basic positions.
7. On radiographs, identify the anatomic parts.
8. Explain variations in tube-IR placement required to compensate the patient's inability to be moved.
9. Explain variations in technique required for various patient types.
10. Explain variations in technique required to avoid motion in uncooperative patients.
11. Demonstrate correct communication skills needed to successfully perform each exam.
12. Demonstrate proper radiation protection measures for each procedure/exam discussed.

Procedure Practice:
In the clinical setting the student will:
1. Correctly position the patient, stabilizing or immobilizing as needed.
2. Select the correct IR size.
3. Align the x-ray tube to part and IR.
4. Adjust the cone or collimator to appropriate field size.
5. Demonstrate the application of necessary protective shielding.
6. Measure the part.
7. Select the appropriate technical factors for patient and IR.
8. Expose the radiograph.
9. Evaluate the radiograph for accuracy of positioning.
10. Utilize proper radiation protection practices for each exam.
11. Demonstrate effective problem solving and critical thinking skills for all procedures.

Methodology: Lecture, lab, practice, demonstration with hands-on experience in all aspects of Clinical Education.

Evaluation Criteria:
1. Simulations 30%
2. Competencies 30%
3. Final Exam 20%

GRADING SCALE:     A = 92-100%
                    B = 83-91%
                    C = 75-82%
                    F = 0-74%

Required Text, Readings, and Materials:

Class Policies:
1. The following radiographic simulations will be performed by the student and graded by the clinical faculty throughout the semester. The student will demonstrate the required procedures as they relate to departmental routines with above average achievement (85% or better).

    UGI/Esophagram        Lumbar Spine
2. Clinical competency evaluations will be used to evaluate the student in varying factors which are necessary for production of a quality radiograph. (See Clinical Handbook for evaluation criteria) These factors include: selection of technique, manipulation of equipment and patient, as well as attitude and values of the student. The student will meet the above criteria for each selected exam. The clinic instructor or supervising technologist performs this evaluation and the student is expected to perform with above average achievement, 85% or better. A minimum of eight clinical competencies is required for this semester. A score below 85% does not demonstrate competency and must be repeated. If the student receives below 85% on a second attempt the student must see the instructor for remediation. Students are also required to turn in a competency exam image evaluation form for each competency exam completed. A grade of “0” will be given for the competency if the form is not completed and turned in. Competency exam image evaluation forms are due no later than one week following the completion of the student’s clinical rotation in which the competency was performed.

3. The student will display professional attributes at all times during the clinical situation and this area will be evaluated throughout the semester.

4. Objectives and evaluations are completed for each assigned clinical rotation. An affective evaluation of the student will be completed by a radiologic technologist that the student worked with during their assigned clinical rotation. Also, the student will fill out an evaluation of the technologist or preceptor and a site evaluation for each of their assigned clinical rotations. **It is the student’s responsibility to be sure these objectives and evaluations are completed and turned in following each rotation.** These are due no later than 1 week after the completion of the assigned clinical rotation. Should any unexpected circumstance arise that prevents the student from keeping this due date, the instructor must be notified before the due date or the student will receive an incomplete and **may receive a failing grade for the semester.**

5. A variety of in-services will be presented to familiarize the student with various areas within the hospital. The student is required to attend all in services to gain knowledge and appreciation for these areas.

6. The student will display a working knowledge of technique as well as the uses of radiographic equipment and ancillary devices. Specified skills will be learned this semester and the student will be tested on these skills during a final examination.

7. It is the philosophy of the radiography faculty at Casper College that for students to gain the utmost from the clinical experience attendance is essential. Therefore in order to maintain the high professional standards expected in clinical the following guidelines will be followed:
   a. No unexcused absences
   b. No unexcused tardiness
   c. No unprofessional behavior
8. The following individuals must be notified prior to a clinical absence: clinical site, clinical instructor, and Laurie Weaver (this includes simulation lab). See program policies for further details.

9. Absences: The student’s final clinical grade will be lowered 3% for each clinical unexcused absence including simulation classes. More than two unexcused absences will result in an incomplete for the assigned clinical rotation and the student will not be able to finish the course. Also, all clinical time missed must be made up or the student will receive an incomplete and receive a failing grade for the semester.

10. Consult the Radiography Program policy manual for all clinical policies concerning uniform, attendance, make-up procedures for missed time, etc.

11. Procedure log - The student will keep a procedure log for all exams performed in Clinical Education III. The procedure log must be with the student during clinical rotations or the student will be sent home to retrieve procedure log book and must make up the unexcused clinical time. All repeats must be initialed by a supervising technologist in the procedure log.

12. Review skills/activities - The student will be required to complete a specified number of review skills and activities during Clinical Education III. These skills/activities that have been chosen to correlate with areas the student needs to stay proficient in to be successful in the clinical setting.

13. A venipuncture module must be completed prior to Clinical Education III (module available in RDTK 1830, Pharmacology for Radiographers). The module includes: video, written test, practice lab on mannequin, and venipuncture lab including actual venipuncture experience. Upon completion of these objectives the student can, under direct supervision, perform venipuncture on patients. Competency in venipuncture must be demonstrated under appropriate supervision and documented prior to the end of Clinical Education III.

14. It is the student’s responsibility to turn in film badges by the 15th of each month.

15. All assignments and paperwork for the last clinical rotation of the semester must be turned in by the 11th of May.

16. The policies of direct and indirect supervision must be followed by all students, at all clinical sites. Direct supervision is required during all exams in which the student has not passed a clinical competency with an 85% or better for that particular exam, and during all repeat exposures. Indirect supervision is acceptable once a student has passed a clinical competency with an 85% or better, on that particular exam. Please see program policies and procedures.

CLINICAL ACTIVITIES AND ASSIGNMENT REQUIREMENTS: All clinical rotation assignments are due by no later than 1 week after the completion each of the student’s assigned clinical rotation.

1. Competency exam form and the associated competency exam image evaluation.
2. Simulation Testing- Simulation testing will be completed on a specific number of exams
3. Random Simulation Testing – Random testing will be conducted at the clinical site. These exams are to be given by the Clinical Instructors and are to cover exams in which the student has tested on previously.
Rotation evaluations: Completed and turned in following each rotation.

Objectives: Rotation objectives will be completed and turned in following each rotation.

Final Exam: A practical exam covering film critique and positioning will be given at the end of the semester. 20% of final grade.

Competency evaluations - 8 required – 85% or better. Competency film critique form for each exam completed.

Procedure log book - must be kept current and with student during all clinical rotations.

Review skills/activities - specified number must be completed by the end of the semester.

Completion of venipuncture module.

Last day to withdraw is April 14.

Please note: **You cannot withdraw from this course without withdrawing from the program.**

**Student Rights and Responsibilities:** Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

**Chain of Command:** If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Interim Vice President for Academic Affairs.

**Academic Dishonesty:** (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

**Official Means of Communication:** Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

**ADA Accommodations Policy:** If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

**Calendar or schedule indicating course content:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 18</td>
<td><strong>No Class: King Equality Day (campus closed)</strong></td>
</tr>
<tr>
<td>*19</td>
<td>Course Introduction: <em>All students to attend</em></td>
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<tr>
<td>25/26</td>
<td>Cervical Spine/Soft tissue neck – simulation lab</td>
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<tr>
<td>February 1/2</td>
<td><strong>Test C-spine / soft tissue neck</strong></td>
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<tr>
<td>8/9</td>
<td>Thoracic Spine / Scoliosis series simulation lab</td>
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<tr>
<td>15</td>
<td><strong>No Class: President’s Day (campus closed)</strong></td>
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<tr>
<td>*16</td>
<td><strong>Test Thoracic Spine: All students</strong></td>
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<tr>
<td>22/23</td>
<td>Lumbar / Sacrum/ Coccyx simulation lab</td>
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<tr>
<td>Feb. 29/March 1</td>
<td><strong>Test Lumbar/Sacrum/Coccyx Spine</strong></td>
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7/8 UGI/Esoph/Small Bowel simulation lab

March 14-18 Spring Break!!!!

March 21/22 Test UGI/Esoph

March 28/29 BE Simulation lab

April 4/5 Test BE
   11/12 IVP/Cystogram
   18/19 Sternum/Thorax/SI Joints
   25/26 Test Sternum / Thorax / SI Joints

May 2/3 Review

May 9-12 Finals Week: Comprehensive Final TBA

* All students to attend

Note: Schedule subject to change with notification from instructor.