RDTK 1810
CLINICAL EDUCATION II
FALL 2006

LABORATORY HOURS: 13.5  CREDITS: 3

CLASS TIME: Thurs./Friday 7:30 A.M.-12:30 P.M., (Or according to rotation schedule)
Simulation Lecture/lab Monday or Tuesday 2:30-3:45
Students are required to attend all scheduled class and clinical times. Clinical days and times times may vary according to rotation schedule.
Times and location of in-services will be announced, all students are required to attend.

INSTRUCTOR:  Fred Kuck HS 119  268-2239 (office) 277-1051 (cell)

OFFICE HOURS:  HS 119: Monday/Thursday 9:00-11:30

REQUIRED TEXTS:

COURSE DESCRIPTION:

This course is designed to be a practical learning experience in the clinical radiographic environment. Students are required to participate at pre-scheduled time periods and practice their radiographic skills.

METHODOLOGY: Lecture, Lab, practice, demonstration with Hands-on experience in all aspects of Clinical Education.

ACCOMMODATIONS:  It is the policy of Casper College to provide appropriate accommodations to any students with a documented disability. If you have a need for accommodation in this course, please make an appointment to see me at your earliest convenience.

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.

OPEN LAB;

The lab is open to radiography students at most times. A list of your names has been released to Security giving you permission to use the lab for review, assignments, research projects, etc.. You can reach Campus Security at 268-2688 to gain access to the lab (be polite, Campus Security has been very helpful in making this work out).

All lab rules must be followed. Please respect this privilege and take advantage of this opportunity.
REQUIRED OBJECTIVES:

1. The following radiographic simulations will be performed by the student and graded by the Clinical Education Coordinator throughout the semester. The student will demonstrate the required procedures as they relate to departmental routine with above average achievement of 85% or better.
   - Shoulder/Humerus
   - Clavicle, Scapula, AC Joints
   - Toe/Foot
   - Calcaneus/Ankle
   - Lower Leg
   - Knee
   - Femur/Hip/Pelvis

2. Clinical competency evaluations will be used to evaluate the student in varying factors that are necessary for production of a quality radiograph. These factors include; selection of technique, manipulation of equipment and patient, and attitude and values of the student. The student will meet the above criteria for the required exams. The Clinical 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 competency grade below 85% will result in a “0” until the competency is redone with a passing grade. Once the student receives an 85% or better, the passing grade will be averaged with the failing grade if completed during the same semester otherwise it remains a “0”.

3. The student will display professional attributes at all times during the clinical situation and this area will be evaluated at the end of the semester through a supervisory evaluation performed by the clinical instructor. Rotation evaluation will also be conducted following the completion of each rotation. The supervising technologist for that rotation completes these evaluations. It is the student’s responsibility to be sure these evaluations are completed and turned in following each rotation. A "0" grade will be given for each evaluation not submitted.

4. A variety of in-services will be presented to familiarize the student with various areas within the hospital. The student will gain knowledge and appreciation of these areas.

5. The student is required to keep updated techniques of exams covered during the semester. These are to be written in the technicards/pocket manual and kept with the student during clinical rotations.

6. The student will display a working knowledge in radiographic 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. Students will be required to complete the objectives for each assigned rotation as outlined in the clinical evaluation plan. The objective sheet must be filled out by the supervising Technologist and handed in following the completion of each rotation. A "0" grade will be given for each objective form not submitted.
8. 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 concerning:
   1. Unexcused absence
   2. Unexcused tardy
   3. Unprofessional behavior
   4. It is the student’s responsibility to turn in film badges by the 15th of each month. Failure to do so will result in lowering of your final grade by one grade point for each incident.

See program policies for definitions of the guidelines listed above.

10. A qualified technologist must supervise all repeats. See program repeat policy and termination policy in the program manual.

11. The student must have proof of current CPR, Hepatitis series, and TB skintest results.

12. Proper radiation protection procedures and guidelines must be followed for all clinical and lab procedures. This includes, proper wearing of TLD, shielding, wearing of lead aprons, etc. See program policies and procedures for detailed explanation.

13. 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.

ABSENCES- Students will be given one absence day which can only be made up at the end of the semester. Any additional missed days will result in a 3% grade deduction from their final clinical grade. Absences from required clinical inservices and simulation lab/lecture/testing will be counted as unexcused and the appropriate grade deduction will occur.

METHODS OF EVALUATION AND CORRESPONDING WEIGHT VALUES:

1. Clinical simulations 30%
2. Clinical competencies 30%
3. Final exam 20%
4. Objectives, evaluations, skills sheet 10%
5. Film critique / Positioning assignments 10%

GRADING SCALE:
A= 92-100
B= 83-91
C= 75-82
F= 0-75
REQUIRED SKILLS FOR THIS SEMESTER
The student will:
1. Gain a basic knowledge of the use of room control panel/table-tube controls and computed/digital radiography.
2. Demonstrate the proper Fluoroscopic room and procedure set-up.
3. Understand the basic tomography set-up.
4. Demonstrate the basic use and set-up of Portable equipment, and C-arm.
5. Utilize sponges for immobilization
6. Gain hands on experience in the proper use of grid device.
7. Review the proper aseptic techniques and surgery asepsis.
8. Demonstrate effective problem-solving and critical thinking skills both in the patient care setting and in clinical lab simulations.
9. Use effective communication techniques with patients and other health professionals.
10. In the lab setting use proper positioning and film critique skills in the area of upper and lower extremities.
11. Utilize proper radiation protection skills during all procedures.

In-services will be announced, all students must attend.

REQUIRED CLINICAL ACTIVITIES AND ASSIGNMENTS: All clinical assignments are due at noon on the Wednesday following the last day of your rotation. A 10% deduction will occur for each day the assignment is late.

1. Competency exam image evaluations must be turned in with each exam competency, failure to do so will result in a 0 for that competency.
2. Simulation Testing - The student is required to perform a certain number of simulation tests.
3. Rotation Evaluations - Each student is required to have a rotation evaluation performed following the completion of each assigned rotation.
4. Objectives - Objectives must be completed for each rotation.
5. Final Exam - A practical exam covering film critique and positioning from clinical education I and II.
6. Competency evaluation - At least 8 required, accompanied by exam image evaluation form (see #1)
7. Log books - A log will be kept by the student of the exams performed during Clinical Education II. Student must document all repeats in log book. The supervising technologist to ensure proper supervision must initial any repeats performed.
8. Technique cards (or pocket atlas) will be maintained during Clinical Education II.
9. Review activities/skills - Form must be completed by the end of the semester.
10. Repeat review – Students must evaluate their repeat radiograph each month and turn in the appropriate form.
11. Attendance at all clinical in-services and simulation labs. Absences from these activities will be considered unexcused and the appropriate grade deduction will occur.
12. Film critique presentation with group.

Last Date to Withdraw - Withdrawal from any Radiography course is not an option please refer to the Radiography program policies.
**COURSE OUTLINE:** Clinical Education II: Schedule Subject to Change: Mon. or Tuesday 2:30-3:45

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>Aug 28 (all)</td>
<td>Review course objectives/ vital signs Positioning Review from Clinical Education I - <strong>All students as a group</strong></td>
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<tr>
<td><strong>Sept. 5</strong></td>
<td>Sept. 4 is labor day, everyone meets on the 5th for lab.</td>
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<tr>
<td>Sept. 5</td>
<td>Shoulder/Humerus Simulation Lab</td>
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<tr>
<td>Aug 28 (all)</td>
<td>Review course objectives/ vital signs Positioning Review from Clinical Education I - <strong>All students as a group</strong></td>
</tr>
<tr>
<td>Sept. 11 or 12</td>
<td>Simulation Test Shoulder/Humerus</td>
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<tr>
<td>Sept. 18 or 19</td>
<td>Simulation Lab Clavicle, Scapula, AC Joints</td>
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<tr>
<td>Sept. 25 or 26</td>
<td>Simulation Test Clavicle, Scapula, AC Joints</td>
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<tr>
<td>Oct. 2 or 3</td>
<td>Simulation Lecture/Lab Foot and Toe</td>
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<td>Oct. 9 or 10</td>
<td>Simulation Test: Foot and Toe</td>
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<tr>
<td>Oct. 16 or 17</td>
<td>Simulation Lecture/Lab Ankle and calcaneus</td>
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<td>Oct. 23 and 24</td>
<td><strong>Fall Break- No class or clinical</strong></td>
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<tr>
<td>Oct. 30 or 31</td>
<td>Simulation Test Ankle and calcaneus</td>
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<tr>
<td>Nov. 6 or 7</td>
<td>Simulation Review Low leg- Tibia/Fibula and Knee</td>
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<tr>
<td>Nov. 13 or 14</td>
<td>Simulation Test Low leg and Knee</td>
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<tr>
<td>Nov 20 or 21</td>
<td>Simulation Femur/Pelvis/Hip</td>
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<td>Nov. 27 or 28</td>
<td>Simulation Test: Femur/Pelvis/Hip</td>
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<tr>
<td>Dec. 4 or 5</td>
<td>Test continued: Femur/ Pelvis/Hip</td>
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<tr>
<td>Dec. 11 or 12 (to be announced)</td>
<td>Film Critique Presentations: Lower/Upper Extremities</td>
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<td>Dec. 18 – 21</td>
<td>Final Exam scheduled during this week: Final Exam scheduled during this week: Final Exam scheduled during this week: The final exam will be a comprehensive final to include positioning and film critique. The student will be given a specified number of projections that they will perform and be evaluated on. This will include one scenario in which the student will need to utilize critical thinking skills to perform the exam.</td>
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**Required Inservices:**

Attendance is required for all Inservices.
Clinical Education II

Film Critique / Review Assignment

The purpose of this assignment is to help the student gain a better understanding of the procedures covered during simulation classes in Clinical Education II. The students will be divided into groups of two/three and assigned a contrast or spine exam to review in front of the class. The review will cover both film critique and positioning for the assigned exam. The students are expected to bring films of the exam to class as well as demonstrate proper positioning of the exam.

The following areas are criteria for grading this assignment:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Points Earned</th>
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<tbody>
<tr>
<td>1. Demonstrated proper film critique for series. (20 points.)</td>
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<tr>
<td>2. Showed major anatomy on films for exam. (20 points)</td>
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<tr>
<td>3. Demonstrated proper positioning for exam. (20 points)</td>
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<td>4. Explained proper patient preparation for exam and demonstrated how to get accurate patient history. (20 points)</td>
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<td>5. Explained patient instructions for exam or procedure. (20 points).</td>
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<tr>
<td>Total Points Earned</td>
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All students are expected to participate to receive full credit for the assignment.
Student Name: __________________________________________

During Clinical Education II the student must complete the following skills and in-services. Upon completion of each skill the student will have the supervising radiographer or clinical instructor initial the appropriate box. The completed form will be turned in at the end of the semester.

**Video Requirements:** The student is required to view the assigned videos and complete the appropriate test.

**Required Skills:**

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<tr>
<th>SKILL/IN-SERVICE</th>
<th>DATE COMPLETED</th>
<th>SUPERVISORY INITIALS</th>
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<tbody>
<tr>
<td>Practice Vital Signs and Patient Assessment</td>
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<td>Body Fluids</td>
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<td>Sterile Fields</td>
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<td>Code Blue Procedure</td>
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<td>Video: Chest Radiography</td>
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<td>Video: Abdomen and Pelvis Radiography</td>
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<tr>
<td>Video: Bone Density Studies</td>
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<tr>
<td>Midterm clinical Evaluation: clinical coordinator</td>
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<tr>
<td>Final clinical evaluation meeting with clinical coordinator</td>
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To receive credit for this assignment the completed form and materials from the videos must be turned in at the end of the semester.

**CLINICAL ATTENDANCE POLICY**
1. Emergency absences will be handled on an individual basis, but the clinical instructor must be notified prior to the start of clinical education or simulation lab. The student will also be required to notify the program director by calling the college number and leaving a message indicating the absence. If this procedure is not followed the absence will be considered unexcused. Two or more unexcused absences will result in the student being placed on program probation. Under no circumstances will one student be responsible for reporting the absence of any other student in clinical education.

2. Students are required to be punctual for all clinical and simulation courses. If a student is to be late to clinical education the program director must be notified by phone, as well as the clinical instructor and clinical site. Two or more tardies will result in the student being placed on program probation.

3. Students will not be allowed to schedule an academic course during clinical hours unless program director has been notified.

4. As an incentive to be punctual and to maintain a healthy lifestyle, those students who have been punctual and have attended all clinical and simulation classes will not be required to attend clinical education on the last clinical day prior to finals week of the fall or spring semester, as long as all other objectives of clinical education have been met. If a student misses one clinical day they will be required to attend the last day of clinical prior to finals week. Students cannot make-up the clinical day at any other time during the semester. Any additional absences of clinical or simulation will result in a 3% per day grade deduction from the final clinical grade.

5. Absences with doctor’s excuse from clinical or simulation lab: The student can miss two clinical days with an official doctor’s excuse. Doctor’s excuse must include the dates in which clinical was missed and must be turned into the clinical coordinator on the first day the student returns to clinical. These will be considered excused clinical absences. The two days must be made up during finals week of the semester the absences took place. They cannot be made up at any other time during the semester. Any additional absences will result in a clinical grade deduction of 3% per day from final grade. (see clinical syllabus)

9. Any deviation from the normal clinical education schedule must be submitted to the program director and approved by the clinical education coordinator of radiography.

10. All appointments must be scheduled outside of clinical and didactic course times.

11. Students are expected to meet the objectives of the clinical rotations and simulation labs. For this reason as well as safety issues, students on crutches will not be allowed in the clinical setting. Other injuries or post-surgical devices or restrictions will be looked at on an individual basis. Students may use their two allotted absence days with a doctor’s excuse for these types of absences. The student will make up this time on pre-arranged dates during finals week.

**Definitions:**

- **Excused Absence:** Those qualified by illness of self or death of an immediate family member.
- **Unexcused absence:** Any absence that is not called in before 7:30 a.m. or that is not pre-arranged. An unexcused absence will result in a grade deduction for clinical education, see course syllabus. Excessive tardiness or unexcused absences will result in probation and possible dismissal from the program due to incomplete completion of clinical objectives and unprofessional behavior.
- **Tardy:** Student arriving to clinical education past the rotation start time.
- **Doctors Excuse:** An official note written and signed by a physician notifying faculty members that the student was excused from clinical for an illness, injury or surgery. Doctor bills or invoice statements will not be accepted.