RDTK 2910 01 - CLINICAL EDUCATION VI

Spring 2016

5 CR LB  M/T 7:30-3:30 pm- See clinical rotation schedule
          W - 7:30 - 11:00
          Thursday  1:00-3:30 Simulation lab-HS 118/119

Times will depend on rotation location, consult rotation schedule for specific times.

INSTRUCTOR:  Rick Johnson, R.T.R. – Clinical Education Coordinator
                268-2718 (CC office) 258-7046 cell
                Laurie Weaver R.T.R.- 265-6828 (home), 268-2587 (CC office)
                577-2383 (hosp)

OFFICE HOURS:  HS 118 Office hours are posted on instructor’s door

COURSE DESCRIPTION:

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

PREREQUISITE:  RDTK 2810

REQUIRED TEXT:
Textbook of Radiographic Positioning and Anatomy, Bontrager, 2015

REQUIRED COURSE OBJECTIVES:

1. Competency Evaluations- all remaining competencies which have not been documented must be completed by the end of the semester with a grade of 85% or better. 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”. The student may simulate on 5 exams not including contrast studies (except GB), spine, pediatric exams, and trauma studies, these must be completed on actual patients. If the student simulates on 6-8 competencies the test grade will start at a 90%. No more than 8 competencies may be performed in a simulated setting. The simulated competency testing will be announced and held in HS 118. A competency film critique form is required for each competency completed by the student. A grade of 0 will be given for each exam where the form is not turned in.

2. In-services- In-services to be announced. All students are required to attend.
3. **Quality Assurance** - to maintain the goal of QA for clinical education VI, the student will perform quality assurance tests on equipment as scheduled and turn in a written/typed summary of the results at the conclusion of each rotation.

4. **Supervisory Evaluation** - mid-term and final supervisory evaluations will be conducted by the clinical instructor to evaluate students professional attributes.

5. **Log Books** - The student will carry a log book on their person at all times during clinical. Repeats must be initialed by supervising Radiographer. If a repeat does occur the student will critique the repeat on the back pages of the log book. This booklet is required for accreditation and must be maintained. The booklet will be collected at midterm and the final part of the semester and a grade will be given. If the student fails to turn in a maintained log book the student will receive a 3% deduction of their total grade.

6. **Final Competency** - will be scheduled by the student with the clinical coordinator. Refer to objectives for the final competency included in this syllabus.

7. Consult the Radiologic Technology Program policies for specific policies concerning uniform, attendance, etc.

8. **Rotation Objectives** - The student is required to complete the clinical activity and evaluation plan packet for each rotation and complete it on Moodle. The students will also be evaluated following each two-week rotation. It is the student’s responsibility to be sure the evaluations are completed by the technologist they have worked with the most throughout the rotation, a “0” grade will be given for each evaluation not turned in following an assigned rotation. All clinical assignments are due one week after rotation is completed. A 2% deduction will occur for each day the assignment is late.

9. 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. Unexcused absence
   b. Unexcused Tardy
   c. Unprofessional behavior

See Radiography Program Policies for further details on clinical absences. If a student is to be absent they must call the clinical site, clinical instructor on duty and Laurie Weaver. (This includes simulation labs).
10. **Review skills/activities** - The student will be required to complete a specified number of review skills and activities during Clinical Education VI. These skills/activities have been chosen to correlate with areas the student needs to stay proficient in to be successful in the clinical setting. The student will be given a form which must be completed and turned in no later than May 11th.

11. TLD must be turned in by the 10th of each month. See policy manual.

12. All clinical assignments are due at noon on the Wednesday 1 week following the last day of your clinical rotation. A 10% deduction will occur for each day the assignment is late.

13. Skills sheets must be completed by each student.

**SPECIFIC COURSE OBJECTIVES:**

**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, label the anatomic parts.
8. Explain variations in tube-film 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 film size.
3. Align the x-ray tube to part and film.
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 film-screen combination.
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.

**COURSE OUTLINE:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>January 21</td>
<td>Chest/abdominal/sternum/thorax</td>
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<td></td>
<td>Contrast review</td>
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<tr>
<td>February 4</td>
<td>Contrast simulation test – UGI/Esoph/LGI</td>
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<td>February 18</td>
<td>Spine</td>
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<td></td>
<td>Skull/Facial</td>
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<td>March 3</td>
<td>Special orthopedic exams/ QA</td>
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<td></td>
<td>Spring Midterm Film Critique Test</td>
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<tr>
<td>March 24</td>
<td>Simulation in Virtual Sim Lab (2 groups) 1-2p, 2-3p</td>
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<tr>
<td>April 7</td>
<td>Upper Extremity/Lower Extremity</td>
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<tr>
<td>April 21</td>
<td>Review Student Topics?simulation Lab</td>
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<tr>
<td>April 28</td>
<td>Simulated competency exams/ Final positioning review</td>
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<tr>
<td>May 5</td>
<td>Final Test (Positioning and written on Moodle)</td>
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**No clinical on the following dates:**

- January 18- MLK Day
- February 15- Presidents Day
- March 7-11- Mid Term Week
- March 14-18- Spring Break
- March 25 – Spring Holiday
- April 8- Advising Day
- May 9-12 Final exams
- May 13- Commencement

**Syllabus schedule subject to change**

**FINAL COMPETENCY OBJECTIVES:**

The final competency is used as the final assessment of the student's clinical ability. Therefore it is not administered until Clinical Education VI.

**PRACTICAL EXAMINATION OBJECTIVES:**

Upon completion of the final Competency the Radiography student, will be able to perform the following with at least an 85% accuracy.
Perform any given projection from the following areas within a 4 minute timeframe:

1. Upper extremities- long bones
2. Upper extremities- joints
3. Lower extremities- Long bones
4. Lower extremities- joints
5. Thorax
6. Abdomen
7. Contrast exams
8. Spine
9. Skull
10. Facial bones

In case the student does not attain 85%, the student will continue to retake the final competency until performing the exam at a level of 85% or greater. The average of all attempts and the successful final competency will be used for that grade component. Additional units of clinical education may be necessary for some students to demonstrate competency.

The student will also complete an examination covering radiographic projections selected by the program faculty. Questions may pertain to any subject taught in the entire curriculum.

The final competency will incorporate a majority of that which has been previously studied by the Radiography student. The final competency will require knowledge of any or all of the following areas:

- Positioning Procedures
- Exposure and Imaging
- Processing
- Radiation
- Radiation Protection and Biology
- Pathology
- Anatomy and Physiology/ Patient Care

**DEADLINE:**

April: Students will schedule time for the practical evaluation with the clinical coordinator and the oral portion of the exam with the program director.

**GRADE COMPONENTS FOR CLINICAL EDUCATION VI**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>competency/simulation</td>
<td>10%</td>
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<tr>
<td>Competencies</td>
<td>20%</td>
</tr>
<tr>
<td>Evaluations- Rotation activity plan-QA</td>
<td>30%</td>
</tr>
</tbody>
</table>
Rotation objective/midterm test 40 pts
QA - 20 pts
Instructor Evaluation:
Midterm 20 pts
Final competency practical and written portion 40%

Total 100%

GRADE CRITERIA
A-92-100
B-83-91
C-75-82
F-0-74

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

Cannot withdraw from this course without withdrawing from the program.

SCHEDULE SUBJECT TO CHANGE
Please consult Radiography policy manual for additional policies regarding clinical education.

CHAIN OF COMMAND: If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head, then the division chair, 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.

ADA ACCOMMODATIONS POLICY: It is the policy of Casper College to provide appropriate accommodations to any student 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.

All clinical assignments must be turned in no later than May 9, 2016.

RDTK2910-06
During Clinical Education VI the student must complete the following skills and view the listed videos. 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.

<table>
<thead>
<tr>
<th>SKILL</th>
<th>DATE COMPLETED</th>
<th>SUPERVISOR INITIALS</th>
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<tbody>
<tr>
<td>Quality Control projects</td>
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<tr>
<td>C-arm Manipulation</td>
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<td>Fluoroscopic room set-up</td>
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<td>Trauma Review</td>
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<td>Portable manipulation</td>
<td></td>
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<tr>
<td>Specialty area rotations</td>
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<td></td>
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<tr>
<td>Practice Vital Signs and Patient Assessment</td>
<td>1-21-16</td>
<td>RJ</td>
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**ATTENDANCE**

1. Students are required to attend all regularly scheduled didactic and clinical education courses. Students are advised to also attend all regularly scheduled academic courses.
2. Prior to any non-emergency absence, didactic or clinical class students are required to notify the program director and clinical coordinator in writing 24 hours in advance. Students are required to notify their clinical site prior to any absence.
3. Emergency absences will be handled on an individual basis, but the clinical instructor must be notified prior to the start of clinical education. 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.
4. Students are required to be punctual for all didactic and clinical 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.

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

6. As an incentive to be punctual and to maintain a healthy lifestyle, those students who have been punctual and have attended all clinic days 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 including simulations 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 will result in a grade deduction of 3% per day off final clinical grade. See clinical syllabus for further details.

7. Absences with doctor's excuse: 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. (see clinical syllabus)

8. The students should be aware of the fact that anytime they are in the clinical setting, and not under the supervision of the clinical coordinator, then they are under the supervision of the clinical instructor or radiographer on duty.

9. Any deviation from the normal clinical education schedule must be submitted to the program director and approved by the clinical education coordinator. Requests for rotation changes must be submitted in writing.

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. 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 with a doctors excuse after first absence 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 of 3% per day off final grade 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.

RELATED WORK POLICY
The program recognizes that hospitals and clinics may hire students to work on a special license as intern technologists. The program takes no responsibility for any student while he/she is working outside of the program. The student should be aware that the liability insurance provided by the college only covers them while they are participating in the educational program and does not cover a student while employed by another facility. Casper College name-tags and TLD monitors are not to be worn while a student is working for another facility.

STUDENT GUIDELINES
Students absolutely cannot be paid by a clinical site during their clinical education rotations being performed for the Casper College Radiography Program. Not following this policy can result in immediate dismissal from the program.

CONTACTS FOR ABSENCES OR TARDINESS
Revised April 2007
1. If a student is going to be absent or tardy for didactic or clinical education classes that student is REQUIRED to call the program director and clinical coordinator or instructor on duty that day and also the facility.

DIDACTIC
Laurie Weaver CC: 268-2587; Home: 265-6828
Casper College Health Science Academic Assistant, Work: 268-2855

CLINICAL EDUCATION CENTERS
Campbell County Memorial Hospital – 307-688-1601
Casper Medical Imaging Clinic - 307-577-0440
Casper Medical Imaging Washington Street - 307-234-6963
Central Wyoming Neurosurgery - 307-266-4000
Community Health Center- Donna - 307-233-6000
Converse County Hospital- Radiology -307-358-2122
Sheridan Memorial Hospital – 307-672-1050
Wyoming Medical Center - 307-577-2383
Clinical Faculty:

If you are calling the clinical instructor at home to report an absence, please contact the instructor on duty that day.