CASPER COLLEGE COURSE SYLLABUS
RDTK 1930 H1
Computed Tomography Clinical I

Semester/Year: **Fall 2015**

Lecture Hours: 0	Lab Hours: **13.5 hours week**	Credit Hours: 3
Class Time: Assigned	Days: Assigned	Room: Clinical sites

Class meets: 9/12, 10/10, 11/21

Instructor's Name: Laurie Weaver/Jennifer Harshman

Instructor's Contact Information: **Please contact Jenny via e-mail**	Office Phone: Laurie: 307-268-2587 Jenny 307-268-2619	Email: lweaver@caspercollege.edu jharshman@caspercollege.edu

Office Hours: Fall hours TBA

Course Description: Clinical education involves a practical learning experience in the patient care environment. Students participate in pre-scheduled time periods and practice their CT skills in a hospital or clinic setting. Students will be under the supervision of an experienced CT technologist. In this second clinical course students will be expected to perform more advanced procedures in a solo capacity under supervision. Emphasis will be placed on CT technique selection, patient care, anatomy, pathology, understanding image quality, radiation safety practices, contrast administration, positioning and image acquisition. Post processing techniques will also be included. A specified number of clinical exam competencies will be required.

Statement of Prerequisites: Acceptance in the program, RDTK 1915 Intro Computed Tomography

Goal: Clinical education provides the student with a competency based hands on eduction that is necessary to become proficient as an entry level CT technologist. This course will prepare the student for the ARRT National Exam Certification in Computed tomography by offering clinical settings with state of the art equipment and a variety of procedures. This experience will provide student an opportunity to obtain high quality CT images in a supervised setting while providing exceptional patient care.

Outcomes:
When performing the CT imaging procedures, the student must demonstrate appropriate:

evaluation of requisition and/or medical record
preparation of examination room
identification of patient
patient assessment and education concerning the procedure
documentation of patient history including allergies
patient positioning

protocol selection
parameter selection
image display, filming, and archiving
documentation of procedure, treatment and patient data in appropriate record
patient discharge with post-procedure instructions
universal precautions
radiation protection
preparation and/or administration of contrast media and evaluate the resulting images for:
image quality (e.g., motion, artifacts, noise)
optimal demonstration of anatomic region (e.g., delayed imaging, reconstruction spacing, algorithm, slice thickness)
exam completeness

Methodology: Hands on experience in the patient care setting with supervision from an experienced CT technologist.

Evaluation Criteria: Competency exams, check off of CT repetition procedures, evaluations of performance in clinical setting.
1.   Competency Exams: Students are required to complete a total of 25 competency exams during the fall and spring semesters earning a grade of 85% or higher on each one. For Clinical Education I the requirement is to perform 10 competency exams. The remaining competency exams are due during clinical education II. (Note: ARRT recommends doing extra exams, in case some are ineligible.)
2.   Students are required to obtain a minimum of 200 clinical hours for Clinical Education I. Failure to do so will result in an F grade for the course. To stay on track, you should have 100 hours by midterm, failure to do so will adversely affect your midterm grade.
3.   Two clinical evaluations are to be submitted by a clinical site technologist. One is due at midterm and must be submitted by October 2th. The second will be at the end of the semester and must be submitted by December 4rd.
4.   It is the student's responsibility to record all procedures and repetitions on the ARRT form as well as have them initialed by a qualified technologist. The student must also have each technologist who is initialing their exam complete the verification ID page. This is a requirement to take the ARRT exam and is not the responsibility of Casper College or its faculty to maintain, it is solely the students responsibility. This is not a requirement of the course but must be completed if you plan to take the ARRT exam.
5.   All competency exams must be entered through the Casper College Moodle class site, and must be filled out by a licensed and registered technologist. Students must clock-in and clock-out through Moodle, from their clinical site.

Grade Scale: Grade percentage scale: A = 92-100
                                              B = 83- 91
                                              C = 75- 82
                                              F = 0- 74

80% of your grade is calculated from the grades you earned on your competency exams. 20% is earned from your evaluations. Evaluations are to be submitted on time – late evaluations will receive a 5% deduction. You need 100 clinical hours by midterm - Oct. 7, or your grade will be reduced by one letter. You must have 200 hours at the end of both the Fall and Spring semesters (400 hours total). Lack of clinical hours will result in failing the class. Also, missing a required class date will result in a 3% deduction per day missed unless previous arrangements are made with the instructor. **Casper College**

may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Required Text, Readings, and Materials: Instructor handouts

Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade: November 12

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/On Line Education Integrity: Casper College demands intellectual honesty in all courses. Only admitted and registered Casper College students who have been assigned logins and passwords are allowed access to online courses. These secure logins verify the identity of the student. Proven plagiarism or any form of academic dishonesty associated with the academic process may result in course failure, dismissal from a program, or expulsion from Casper College, or other consequences. See the Casper College Student Code of Conduct for more information on this topic. All competencies must be filled out by a licensed and registered MRI technologist. Students must clock-in and clock-out while at their clinical site. This is a zero tolerance policy – failure to comply will result in dismissal from the program.

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. This is also, where you will find course evaluation links during course evaluation periods.

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.

Course Content:
Students will be required to spend 13.5 hours per week in the clinical setting for a total of 200 clinical hours. The minimum daily time spent at the clinical site is 4 hours. A minimum of 10 competency exams will be required by December 5th, as well as documented repetitions as outlined on the following pages.