

# *SYLLABUS AND CURRICULUM*

## *SUMMER 2014*

*Instructor*

*Richard Davis - SSTRAD 277A CT Basics*  
*(559) 392-1544*

### *Grading Scale for CT Basics Course*

100-92 = A

91-83 = B

82-74 = C

73-65 = D

64-00 = F

*SSTRAD 277A*  
*CT Basics*

Units: 3  
Hours per week: 4 Lecture Hours  
Day and Time: Tuesdays 6:00pm - 10:10pm  
Location: H-S 110  
Instructor: Richard A. Davis B.S., R.T. (R) (CT) (MR) (ARRT)  
E-Mail: rdavis7@communitymedical.org  
Office: HS-110  
Office Hours: Tuesdays 5:00pm-6:00pm  
Office Phone #: (559)392-1544  
Text: Seeram, E. *Computed Tomography*, Third ed. Burnaby, British Columbia, Canada: Elsevier, 2009, ISBN: 978-1-4160-2895-6.

***Student Learning Outcomes for SSTRAD 277A***

Student Learning Outcome #1:

Describe the differences in the multiple generations of CT Scanners.

Example of an Assessment for SLO #1:

Assessment tool: Exams

Student Learning Outcome #2:

Explain the proper exposure factor for any given anatomical body part.

Example of an Assessment for SLO #2:

Assessment tool: Exams

***Course Information***

**Grading:**

The following will be used for determining grades:

100-92 = A  
91-83 = B  
82-74 = C  
73-65 = D  
64-00 = F

**Examinations:**

Approximately 3 tests and a final are given during the semester. All the test scores are added together, divided by the total number of tests and averaged to get a final score. Blackboard does the running total for you throughout the semester so you can check your grade and progress at any time.

**Total Points:**

The total points possible are 100% of all tests given during the semester.

**Points Possible:**

Tests.....200  
Final .....100  
Total Points Available...300

**FRESNO CITY COLLEGE WEBSITE ADDRESS:**

The website address is WWW.FresnoCityCollege.edu

**BLACKBOARD:**

The Radiologic Technology Program at Fresno City College uses Blackboard extensively and exclusively. Please ensure that your e-mail address is up-to-date on WebAdvisor to enable you to receive all of the important information that is sent out by the program and to also track your progress.

**EXTRA CREDIT:**

Extra credit only serves to inflate a grade and give the student a false sense of mastery of the subject matter. For this reason, extra credit in the program is not allowed.

**TUTORS:**

Due to the specialty of the field, the tutorial center on campus does not employ tutors for this class. The instructor serves as your tutor. The instructor is committed to your success and is always more than willing to assist you in your educational quest for knowledge. All that is asked is that you make an effort to stay after class or set up an appointment with the instructor. Also, please be mindful that there are many students and only one instructor. Please be patient while waiting for your turn.

**ATTENDANCE AND LATE POLICY:**

Classroom attendance and punctuality are mandatory. Students are expected to be in class and on time. **15 MINUTES EARLY IS CONSIDERED ON TIME.** Punctuality and attendance are strictly enforced. Tardiness disrupts the class and is considered to be rude. If a student arrives after the start time the student will be given a demerit.

Students who are ill on a didactic (classroom) day and unable to report to class will be responsible for notifying the instructor at least one-half hour prior to the scheduled start time. Failure to comply may result in an infraction on your evaluation and a demerit.

Three demerits per course for any reason in one semester will equal a drop of one grade in the course. Six demerits for any reason in one semester will equal a drop of two grades.

As per college and program policy, student will be dropped if absent two successive weeks in any course.

**CELL PHONES, COMPUTERS, PDA's:**

Cell phone usage, computers, (i.e. laptops, PDA's, etc.) are not allowed in class during lecture times. When entering the class, please leave your cell phone on silent. Texting, phone calls, or "techno-cheating" will lead from an immediate 2-day suspension up to and including expulsion from the class. Occasionally, if you have an emergency that requires you to be by your phone speak to the instructor before the start of class for an accommodation.

**ACADEMIC DISHONESTY:**

"Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences." (FCC Catalog)

**ADA CONSIDERATIONS:**

"If you have a verified need for an academic accommodation or materials in alternate media (i.e.: Braille, large print, electronic text, etc.) per the Americans with Disabilities Act or Section 504 of the Rehabilitation Act please contact your instructor as soon as possible." (FCC Catalog)

**Holidays:**

There are no holidays that conflict with this class.

*Please Note: The schedule and procedures for this course are subject to change at the discretion of the instructor.*

**SSTRAD 277A Schedule: (Used as a guideline; dates may change!)**

Tuesday May 27:

- Introduction / Overview
- CT Fundamentals

Tuesday June 3:

- Data Acquisition
- Image Processing and Reconstruction

Tuesday June 10:

- Patient Safety
- Dose Reduction Techniques
- Exposure Regulations

Tuesday June 17:

- **Exam #1 for weeks 1 through 3**
- ACR Manual on IV Contrast

Tuesday June 24:

- Image Quality
- IV Contrast Assessment
- IV Contrast Timing and Flow Dynamics

Tuesday July 1:

- Image Quality

Tuesday July 8:

- Routine Procedures
- Specialty Procedures and Additional Applications

Tuesday July 15:

- **Exam #2 for weeks 4 through 7**
- Cross-Sectional Anatomy

Tuesday July 22:

- Cross-Sectional Anatomy (continued)

Tuesday July 29:

- Pathology
- Review for Final
- Question and Answer

Tuesday August 5:

- **Final (comprehensive)**