Email: cmcfaul@elcamio.edu
Web page: www.elcamino.edu/faculty/cmcfaul
Phone: (310) 660-3593 EXT 5901
Office: MBA 433
Office hours: Monday 11am-12noon, Wednesday 11am-12noon, Wednesday 4:30-5:30

Student Learning Outcome:
During class, students will be shown a skull radiograph with tilt, rotation or flexion errors. Students will describe the positioning error committed and how to adjust the position of the patient to fix the positioning error.

Course Outline:
This course is a 2 hour, 20 min class, which includes lab activities. The lecture will introduce the basic principles of cranial radiography and the various patient positions. The lab activities will include positioning practice on other students and on a phantom. Students will take images and evaluate for competency.

Class Times:
Mondays 8:00 - 10:20AM
LAB TIME: Mondays 2:00 - 5:35PM or Wednesdays 12:30 - 4:05PM

Required Text:

Required Materials:
- Flash drive or CD
- Pen / Pencil / Highlighters / Erasers
- Sharpie
- Books, workbooks, 4x6 index cards
- Paper
- Scantrons for tests and quizzes (100 and 200 questions)
- Elsevier access (optional)
- ID markers (mandatory for lab)
- Closed toe shoes
- Dosimeters (mandatory for lab)
- Etudes, internet access

Course Outline:
Anatomy and Radiographic Positioning II course will be taught using lectures, lab simulations, phantom imaging, demonstrations, slides, radiographic images, information sheets and the dry skull. This class teaches positioning of the patient for the calvarium, facial area, sinuses and mandible. This course will also provide the second year Radiologic Technology student with a basic working knowledge of pathology as it pertains to the cranium. The course presents cranial pathologies most commonly encountered in a Radiology Department. Course content will include discussion regarding disease processes; radiographic presentation of pathology; advantages and disadvantages of various imaging modalities.
GOALS:

The Student will learn:
A. Theories and skills to perform radiographic examinations of the skull (calvarium, facial bones, paranasal sinuses and mandible).
B. To evaluate for positioning accuracy, anatomy and pathology radiographs of the above mentioned imaging.
C. Cranium pathology commonly encountered in a Radiology Department

OBJECTIVES:

At the completion of the course, the Radiography student will have accomplished the following with a score of 73% or better on exams, quizzes and lab simulations:

A. Identify all topographical anatomy and landmarks of the cranium and facial areas.
B. List eight cranial bones.
C. List the four bones comprising the calvarium.
D. Demonstrate the four basic projections commonly taken for a routine skull series.
E. Identify and describe the special projections for the cranium.
F. Recognize and list the fourteen facial bones.
G. Name the seven bones which make up the orbit.
H. Demonstrate the basic projections for facial bone radiography.
I. Identify special positions used to demonstrate optic foramen and zygomatic arches.
J. Identify from radiographs and a dry skull the anatomy of the mandible, paranasal sinuses, and
K. Demonstrate the basic projections for the mandible and paranasal sinuses
L. Describe and demonstrate optional views for the temporomandibular joints.
M. Identify common pathologies of the cranium
O. Identify the appropriate technical changes required to best demonstrate each pathological condition

Attendance:
The following is directly from El Camino College Catalog: “Students are expected to attend their classes regularly. Students who miss the first day of class meeting or who are not in regular attendance during the add period may be dropped from the class by the instructor. Students whose absences from a class exceed 10% of the scheduled class meeting may be dropped by instructor. Children are not permitted in classrooms while class is in session. “Attendance in class is limited to officially enrolled students” (ECC catalog, 2012). If you are late for an exam/quiz, your exam/quiz will be collected at the same time as the rest of the students.

Participation:
Participate regularly whether as a whole group, self or in small groups. You are in control of your learning so get the most out of the course. This is an intense- accelerated course so interactive learning is vital to your success. Participation can be as simple as offering ideas and/or suggestions, asking questions of instructors, colleagues and listening carefully, sharing notes and resources and providing constructive feedback. In a diverse learning community, be sensitive to different ways of presenting information and opinions. Keep an open mind, make connections, these are essential components for social respect, comfort and deepens learning for all.
Assessment: This course will require a total score of 73% or better on exams, quizzes, group projects, labs and the cumulative final exam in order to continue in the Radiologic Technology program. You will not pass the class if you do not pass the tests. Make-up exams will only be offered prior to the next class meeting with a 10% penalty in overall exam grade. Emergencies will be evaluated on an individual basis and consideration is at the sole discretion of the instructor. The student is responsible to coordinate the make-up exam with the instructor.

GRADE SCALE:

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<td>100%-91%</td>
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<td>81%-73%</td>
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Course Breakdown:

- Tests and Quizzes: 55%
- Lab simulations/quizzes: 30%
- Homework/Image Evaluation: 15%
- Total: 100%

Activity (approximates) Points
- Examinations are worth 100 points each (4 Exams) 400
- Quizzes (Approximately eight total) 160
- Final Exam (Cumulative Exam) 200
- Image Evaluations (approx. 10) 250

* This approximates the total course points and can vary on the instructors’ discretion.

CUMMULATIVE MINIMUM OF 73% ON EXAM SCORES IS REQUIRED TO PASS THIS COURSE.

Makeup Examinations:
Make up exams are allowed only if proper steps are followed. The instructor must receive a phone call or e-mail from you the day of the examination and the exam must be made up prior to the next class session (UNLESS OTHER ARRANGEMENTS ARE MADE). Make up exams are subject to a 10% penalty. Laboratory experiments and quizzes will not be made up, nor can they be done in advance. Quizzes are given at the beginning of class, if you are more than 10 minutes late, you will not be allowed any extra time to complete the quiz. Pop quizzes are unannounced and may be given at any time during the class. It is your responsibility to collect handouts and other pertinent class information. Handouts and homework from the previous week can be picked up during office hours before class.

Repeat Tests/Simulations:
All unsuccessful tests/simulations must be retaken and passed. Any test receiving a score below the 73% must be retaken and passed within one week of the original exam/simulation date. The applies to both written and lab exams. You may only repeat ONE exam during the course. Original test score will be the recorded grade. Students may not perform examination covered on the unsuccessful test/simulation until a passing grade has been obtained. If the repeated exam is not passed, a score of zero will be recorded as the original grade. In the event the final is not passed, you will have to retake the final and pass before the next semester begins.

Late Work:
Late work will not be accepted. If you will not be in class, give it to a colleague to turn in or drop it off in my mailbox and ask them to date it. This is done to assure fairness to those students who complete their assignments on time.
**Standards of Conduct:**
Conduct at El Camino College must conform to the laws of the State of California, District policies, and campus rules and regulations. The El Camino College faculty, staff, and administration are dedicated to maintaining a positive learning environment. Optimal standards for behavior are essential to the maintenance of a quality college environment. These standards will apply to all students on campus, other college property or while attending any college-sponsored event. Violation of such laws, policies, rules, and regulations or behavior adversely affecting suitability as a student, will lead to disciplinary action. Disciplinary actions as noted in Administrative Procedure 5520 may be taken against any person who engages in behavior defined as misconduct. The following misconduct shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student (ECC catalog, 2012).

1) **Academic Honesty:**
   PLAGIARISM, CHEATING, OR FURNISHING MATERIALS IN ORDER TO ENABLE OTHER STUDENTS TO DO SO WILL NOT BE TOLERATED. Such behavior violates El Camino College’s Standards of Student Conduct. Cheating of any kind is a serious breach of personal morality and an offense against your fellow students, your instructors, and the college. Per El Camino College, catalog “When an instructor has determined that there is evidence of dishonesty in any academic work, the student may receive a failing grade for that piece of work and disciplinary action may be pursued” (ECC catalog, 2012).

2) **Disruptive Behavior Inappropriate Conduct**

3) **Drugs, alcohol, and smoking**
   Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Sections 11053-11058 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or District (ECC catalog, 2012).

4) **Theft, robbery or damage**

5) **Harassment or threatening and violent behavior**

6) **Weapons and misuse of facilities**

**Special Resource Center:**
As your instructor, my primary goal is your success. The Special Resource goal is “to facilitate academic success for students with disabilities by providing equal access to educational opportunities in an integrated campus setting. In order to be eligible for support services or instruction, a student must have a verification of his/her disability. Support services are provided on an individual basis as agreed upon during consultation with an SRC counselor or specialist.” (ECC catalog, 2012). If you feel you may require special accommodations please meet with me by week three of the semester and provide appropriate documentation of your special needs.