



Course Syllabus

**Radiographic Imaging Equipment
RADR2309**

******Note to Student******

Student Success is our number one priority at Coastal Bend College and we realize that prompt effective communication plays a significant role in achieving that goal. It is vitally important that you have the proper contact information for your instructor. This should include their office phone number, email address, and their office hours. If you have any problems contacting your instructor, or do not receive a prompt response to your inquiries, please contact the program officials or the Dean of Workforce as soon as possible. Their contact information is provided below:

Radiology Program Director: Timothy Skaife: 361.354.2302: skaifet@coastalbend.edu

Radiology Clinical Coordinator: Ludie Tryan: 361.354.2501: ltryan@coastalbend.edu

Dean of Workforce Programs: Julia Garcia: 830.569.4222X1202: jgarcia@coastalbend.edu

Course Description:

Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process.

Semester Hours Credit:

3 Semester Credit Hours
Fall MW

Lecture/Lab Hours:

(3-1-0)

Prerequisite:

Acceptance into the Program

Textbook(s):

RADIOLOGIC SCIENCE FOR TECHNOLOGISTS, 10th Edition, Stewart C. Bushong ISBN # 9780323081351

Workbook and Laboratory Manual Radiologic Science for Technologists, 10th Edition, Stewart C. Bushong ISBN # 9780323081375

Student Learning Outcomes:

1. Utilize empirical and quantitative skills to differentiate between conventional and digital equipment
2. Utilize communication skills to explain the physics of x-ray production
3. Utilize social responsibility skills to describe x-ray circuits
4. Utilize personal responsibility to relate conventional and digital equipment components to the imaging process.

Evaluation Methods:



Tests, class participation, and attendance

Student Learning Outcomes Assessment:

SLO	Assessment Method	Target
Utilize empirical and quantitative skills to differentiate between conventional and digital equipment	Assessment for this SLO will be using the Chapter examination on digital imaging equipment, the fourth test of the semester	90% of the students will score 75% or better on the examination
Utilize communication skills to explain the physics of x-ray production	Assessment of this SLO will be the chapter examination regarding x-ray production, the second test of the semester	90% of the students will score 75% or better on the examination
Utilize social responsibility skills to describe x-ray circuits	Assessment of this SLO will be the chapter examination regarding x-ray circuitry, the third test of the semester	90% of the students will score 75% or better on the examination
Utilize personal responsibility to relate conventional and digital equipment components to the imaging process.	Assessment of this SLO will be the chapter examination regarding digital imaging, the fourth test of the semester	90% of the students will score 75% or better on the examination

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g).

See at: [GL \(Legal\)](#)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this course should contact the Student Development Office as soon as possible to make arrangements; this should occur no later than the second week of class or as soon as the student has the documentation on the disability and requested accommodation per a certified medical or psychological professional. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Student Development Advisor.

For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@coastalbend.edu.

Academic Dishonesty: Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College’s rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Coastal Bend College Policies FLB (Local) and FM (Local). Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion.



See at: [FLB \(Local\)](#) and [FM \(Local\)](#).

See the [Student Handbook](#) for further explanation of Scholastic Dishonesty.

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Questions regarding this information should be directed to the Director of Library Services at: library@coastalbend.edu or the Office of Marketing and Public Relations at: socialmedia@coastalbend.edu.

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Questions regarding this information should be directed to the Director of Library Services at: library@coastalbend.edu or the Office of Marketing and Public Relations at: socialmedia@coastalbend.edu.

NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.