

Middlesex Community College
CAT F205 Bohn 1432 SYALLBUS

I. Course Title: CAT *205 – Cross Sectional Anatomy II

II. Credits: 2

III. Prerequisites: Admission to the Computed Tomography Program, ARRT Registered Radiographer, CAT201, CAT202, CAT203, CAT204 with a “C” or better for all. Must be a registered Radiographer (ARRT)

IV. Semester: Spring 2016

V. Instructor: Jason Bohn, B.S., RT (R)(CT)
Office Hours: By appointment
Phone: 860-358-6293
Email: jason.bohn@midhosp.org

VI. Course Description: This course will introduce students to cross sectional imaging of the chest, abdomen, pelvis, and extremities. Emphasis will be placed on anatomy & pathology affecting the chest, abdomen, pelvis and extremities in the application of computed tomography imaging. The uses for and administration of pharmacological agents for CT imaging may be included in this course.

VII. Course Text: **Introduction to Sectional Anatomy, 3rd Edition**, Madden, 2013, Lippincott Williams & Wilkins.
Sectional Anatomy Review, Madden, 2001, Lippincott Williams & Wilkins.

VIII. Course Objectives: At the end of this course, the student will be able to:

1. Discriminate between sectional anatomy planes (coronal, sagittal and transverse).
2. Identify appropriate positioning landmarks for chest, abdomen, pelvis and extremity computed tomography procedures.
3. Discriminate between the various types of pharmacological agents.
4. Determine the appropriate scan and prep delay for pharmacological enhanced procedures.
5. Describe special procedures performed in the computed tomography suite.

IX. Course Goals:

1. Provide students with the opportunity to develop and maintain anatomical perspective when discussing the anatomy of the chest, abdomen, pelvis and extremities.
2. Provide students the opportunity to analyze and critically think of anatomical structures of the chest, abdomen, pelvis, and extremities based on corresponding anatomical landmarks.

3. Provide students the opportunity to distinguish between appropriate scan and prep delay for pharmacological agents used in Computed Tomography.
4. Provide student the opportunity to describe and explain special procedures performed in the computed tomography suite.

X: General Unit Outline:

- I. Anatomical Planes
 - a. Coronal
 - b. Sagittal
 - c. Transverse (axial)
- II. Anatomy and landmarks of the chest
 - a. Structures of the chest
 - b. Mediastinum, pleural cavities and airway structures
 - c. Chambers of the heart and pulmonary circulation.
 - d. Identify anatomical structures on CT images.
- III. Anatomy and landmarks of the abdomen
 - a. Gastrointestinal tract
 - b. Genitourinary tract
 - c. Accessory organs in the abdomen
 - d. Identify anatomical structures on CT images
- IV. Anatomy and landmarks of the pelvis
 - a. Female pelvic structures
 - b. Male pelvic structures
 - c. Identify anatomical structures on CT images
- V. Anatomy and landmarks of the extremities
 - a. Classifications and location of different joints
 - b. Identify anatomical structures on CT images
- VI. Special procedures in CT
 - a. 3-D studies
 - b. Biopsies
 - c. Drainages
 - d. Colonography
 - e. Transplants
 - f. Screenings

XI: Course Presentation: This course consists of the following components:

Assignments	175 points
Final Exam	50 points

XII: Grade Scale:

94 = A	83 = B -
92 = A -	80 = C +
89 = B +	77 = C
86 = B	76 = F

ADDITIONAL COLLEGE INFORMATION:

IMPORTANT COLLEGE POLICIES!! PLEASE READ CAREFULLY!

For information about the college's policies and procedures regarding academic honesty, accessibility/disability services, attendance, audio-recording in the classroom, grade appeals, plagiarism, religious accommodations, weather and emergency closings, and more, please go to the following website:

www.mxcc.edu/catalog/syllabus-policies/ or scan the QR code with your smart phone. Also, please become familiar with the policies regarding nondiscrimination, sexual misconduct, and general student conduct at the following website: www.mxcc.edu/nondiscrimination/.

NON-DISCRIMINATION STATEMENT

Middlesex Community College does not discriminate on the basis of race, color, religious creed, age, sex, national origin, marital status, ancestry, present or past history of mental disorder, learning disability or physical disability, sexual orientation, gender identity and expression or genetic information in its programs and activities. In addition, the College does not discriminate in employment on the additional basis of veteran status or criminal record. The following people have been designated to handle inquiries or complaints regarding non-discrimination policies and practices:

Primary Title IX Coordinator

Dr. Adrienne Maslin

Dean of Students/Title IX and Section 504/ADA Coordinator

amaslin@mxcc.edu; 860-343-5759; Founders Hall Room 123

Secondary Title IX Coordinator

Ms. Mary Lou Phillips

Director of Human Resources, Middlesex Community College

mphillips@mxcc.edu; 860-343-5751; Founders Hall Room 115

Secondary Title IX Coordinator

Ms. Queen Fordham

Coordinator of the Meriden Center Welcome Desk

qfordham@mxcc.edu; 203-608-3011

CELL PHONE POLICY: *Whether in clinical or class, personal cell phones should be placed on silent mode and put away so that professional activities are not disrupted. Students are not permitted to “text” during class or clinic.

CAT*205 - Cross Sectional Anatomy II

Course Topics and Schedule

Week	Study Topic(s)	Assignment(s)
1	General Concepts	
2	Structures of the chest	Module 6 assignment 1
3	Heart and pulmonary circulation	
4	Review of images of the chest	Module 6 assignment 2
5	Structures of the Gastrointestinal tract and portal system	
6	Structures of the Genitourinary tract	Module 7 Assignment 1
7	Review of images of the abdomen	
8	Structures of the Pelvis	Module 8 Assignment 1
9,10	Review of images of the pelvis	
11,12,	Structures of the Extremities (joints)	Module 9 Assignment 1
13	Extremities cont'd	Module 9 Assignment 2
14	Review	
15	Final Exam	

SUBJECT TO CHANGE WITH NOTIFICATION