



**A- COURSE TITLE, CODE, ACADEMIC YEAR:**

**Sectional Anatomy (RAD 212) 1437-1438H**

**B- COURSE INFORMATION:**

Course Code	Course Title	Credit Units			Study Level	Pre-requisites
		Total	Theory	Practical		
RAD 212	Sectional Anatomy	2	2	-	Level 4	ANAT 251
Course Coordinator/Instructor		Extension		Email Address		
Dr. Sultan Alshoabi				sshobi@taibahu.edu.sa		

**C- COURSE DESCRIPTION:**

The course is designed to provide the student with anatomy as identifiable in sections. The units will include instruction of transverse, sagittal and coronal views of the central nervous system, thorax, abdomen, pelvis and musculoskeletal system. Anatomical structures will be correlated with CT and MRI images.

**D- COURSE OBJECTIVES:**

What is the main purpose for this course?

1. Distinguish normal anatomical structures recorded on multiplanar images by CT, MRI and cardiac catheterization lab images in the axial, coronal, sagittal and orthogonal (oblique) planes common to each modality within the:-
  - Head and neck.
  - Thorax.
  - Abdomen.
  - Pelvis.
  - Big joints of the upper and lower limbs.
2. Distinguish normal three-dimensional construction of the body structures and to identify the various components of the corrosion casts of the cerebral, cardiac and bronchial vessels.

**E- THEORY TOPICS:**

Week	Theory Topic	Contact Hours
1	Transverse, sagittal and coronal views of the central nervous system. Anatomical structures correlation with CT and MRI images.	8
2	Transverse, sagittal and coronal views of the thorax. Anatomical structures correlation with CT and MRI images.	6
3	Transverse, sagittal and coronal views of the abdomen. Anatomical structures correlation with CT and MRI images.	6
4	Transverse, sagittal and coronal views of the pelvis. Anatomical structures correlation with CT and MRI images.	4



5	Transverse, sagittal and coronal views of the musculoskeletal system. Anatomical structures correlation with CT and MRI images.	6
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**G- ASSESSMENT TASKS:**

#	Type of assessment task	Week	Total Grades
1	Assignment (quizzes, seminars, etc.)	Over the course period	20%
2	Written Test (1)	Week 8	20%
3	Written Test (2)	Week 13	20%
4	Final exam (Theoretical)	Week 16	40%
5	<b>Total</b>	Week 17-18	100%

**H- LEARNING RESOURCES:**

1- Required textbook:

1. Kelley LL, Petersen CM. (2007). Sectional Anatomy for Imaging Professional. 2nd ed. St. Louis, MO: Mosby.

2- Essential references:

1. Madden ME. (2007). Introduction to Sectional Anatomy. Philadelphia, PA: Lippincott Williams & Wilkins; ISBN 0781721059.
2. Pocket atlas of sectional anatomy tomography and MRI. Vol. 1 and 2. Thieme publishing group; 2nd edition (2000).

**Notes:**

- Assignments topics and requirements shall be announced by the end of Week-1, the deadline for submission is 12pm Thursday of Week-10 (each semester).
- Assignments and written assessment tasks must be verified against plagiarism, the maximum acceptable percentage is determined by the department (according to each level).
- Continuous assessments may include quizzes, internet searches, home-works, exercises, class activity, scratch cards, presentations, group work, etc.
- Practical exams may contain hands-on experiments, laboratory work, simulations, or demonstrations.
- Written exams will include multiple-choice questions (MCQ), short essay questions, and long essay questions.