

Summer 2021
Radiological Anatomy
 BME 6533; 3 Credits

CLASS MEETING INFO
 3:00^{PM} -4:40^{PM} Wed/Thu
 Communicore C2-33

INSTRUCTORS
 John Rees, MD (jree0002@radiology.ufl.edu); Office hours by appointment
 Dhana Rajderkar, MD (rajdda@radiology.ufl.edu); Office hours by appointment
 Pratik Patel, MD (patepp@radiology.ufl.edu); Office hours by appointment
 Nupur Verma, MD (vermnu@radiology.ufl.edu); Office hours by appointment

DESCRIPTION
 Imaging techniques as they relate to human anatomy and physiology.

- OBJECTIVES**
1. Understand imaging modalities and learn how to select imaging for specific organ systems and diseases.
 2. Learn basic anatomy with applications to physiology, and role in synchronous function to maintain homeostasis.
 3. Review the organ systems with appreciation for their key function in the human body and some common disease.

REQUIRED TEXTBOOK
 Fundamentals of Anatomy and Physiology for Nursing and Healthcare Students; Ian Peate, Muralitharan Nair; 2nd Edition

COURSE SCHEDULE

Date	Topic	Lecturer	Chapter
Wednesday, May 12	Cells, Cellular Compartments, Transport systems, Fluid movement between compartments	Rees	2
Thursday, May 13	Genetics, tissues and skin	Rees	3, 4, 17
Wednesday, May 19	Brain	Rees	21
Thursday, May 20	Special senses	Rees	22
Wednesday, May 26	Spine x-ray and CT	Rees	5
Thursday, May 27	Quiz 1 Bones/Muscles of pelvis	Rajderkar	6
Wednesday, June 2	Intro to Imaging Modalities; Basic Scientific Principles of Physiology	Verma	9
Thursday, June 3	Endocrine System	Verma	15
Wednesday, June 9	Male Repo Endo; Female Repo Endo; Breast	Verma	12
Thursday, June 10	Peripheral Vasculature	Verma	13
Wednesday, June 16	GI System	Verma	9
Thursday, June 17	Mid term	Rajderkar	
Wednesday, June 23	No Class - Summer Break		
Thursday, June 24	No Class - Summer Break		
Wednesday, June 30	Lungs, pleura and airway	Patel	11
Thursday, July 1	Liver and Gall bladder	Rajderkar	9
Wednesday, July 7	Brain, spine autonomic, summary and additional pathology	Rees	21
Thursday, July 8	Upper extremity	Rees	6
Wednesday, July 14	Heart CVS, ribs and chest wall	Patel	8
Thursday, July 15	Quiz 2 Lower extremity	Rajderkar	9
Wednesday, July 21	Non cardiac vascular(circulatory system)	Patel	7
Thursday, July 22	Diseases of lower and upper extremities: Infection, arthropathies and tumors	Rajderkar	
Wednesday, July 28	Kidneys, urinary system and bladder	Patel	10
Thursday, July 29	Nuclear Medicine 1: CNS and extremities	Rajderkar	21

Wednesday, August 4	Nuclear Medicine 2: CVS and abdominal imaging	Rajderkar	5, 6
Thursday, August 5	Final Exam	Rajderkar	

ATTENDANCE POLICY; MAKE-UP POLICY

Students are expected to attend each class period. Periods which may be missed should be brought to the attention of the Instructor as far in advance of the class period as possible. In the event of an unexcused absence, it is the student's responsibility to obtain and review the material that was covered during that class period.

Excused absences must be consistent with university policies in the Graduate Catalog and require appropriate documentation:

<http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#attendance>

Make-up assignments will only be considered for exceptional circumstances and will be implemented by the instructor on a case-by-case basis.

CLASS EXPECTATIONS

Class distractions such as cell phones and pagers are unacceptable. Students will ensure that any such devices that are brought into the classroom will be turned off, or operated in a silent mode, during the class period.

EVALUATION OF GRADES

Assignment	Total Points	Percentage of Final Grade
Quiz 1	100	25%
Midterm	100	25%
Quiz 2	100	25%
Final	100	25%
		Total: 100%

GRADING POLICY

Percent	Grade
93-100	A
90-92	A-
86-89	B+
83-85	B
80-82	B-
76-79	C+
73-75	C
70-72	C-
66-69	D+
63-65	D
60-62	D-
0 - 59	E

More information on UF grading policy may be found at: <http://gradcatalog.ufl.edu/content.php?catoid=10&navoid=2020#grades>

STUDENTS REQUIRING ACCOMMODATIONS

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565; <https://www.dso.ufl.edu/drc>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

EVALUATIONS

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu/evals>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

UNIVERSITY HONESTY POLICY

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors

that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

SOFTWARE USE

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.

STUDENT PRIVACY

There are federal laws protecting your privacy with regards to grades earned in courses and on individual assignments. For more information, please see: <http://registrar.ufl.edu/catalog0910/policies/regulationferpa.html>

CAMPUS RESOURCES

Health and Wellness

U Matter, We Care

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on our campus by encouraging members of our community to look out for one another and to reach out for help if a member of our community is in need. If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by phone at 352-392-1575. The U Matter, We Care Team can help connect students to the many other helping resources available including, but not limited to, Victim Advocates, Housing staff, and the Counseling and Wellness Center. Please remember that asking for help is a sign of strength. In case of emergency, call 9-1-1.

Counseling and Wellness Center

352-392-1575; <http://www.counseling.ufl.edu/cwc>

Sexual Assault Recovery Services (SARS)

352-392-1161; Student Health Care Center

University Police Department

352-392-1111 (or 911 for emergencies); <http://www.police.ufl.edu/>

Academic Resources

E-learning Technical Support

352-392-4357 (select option 2); learning-support@ufl.edu; <https://lss.at.ufl.edu/help.shtml>

Career Resource Center

Career assistance and counseling.

352-392-1601; Reitz Union; <https://www.crc.ufl.edu/>

Library Support

Various ways to receive assistance with respect to using the libraries or finding resources. <http://cms.uflib.ufl.edu/ask>

Teaching Center

General study skills and tutoring.

352-392-2010 or 352-392-6420; Broward Hall; <https://teachingcenter.ufl.edu/>

Writing Studio

Help brainstorming, formatting, and writing papers.

352-846-1138; 302 Tigert Hall; <https://writing.ufl.edu/writing-studio/>

Student Complaints Campus

https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf

On-Line Students Complaints

<http://www.distance.ufl.edu/student-complaint-process>