

SYLLABUS
Projects in Anatomical Sciences (ANAT 6292)

DESCRIPTION:

ANAT 6292 is a new graduate course for certificate level designed to introduce students to functional medical imaging. The syllabus of this course has been adapted from that of the ANAT 6291 “Special Projects in Anatomy” offered to medical students as an elective. This course complements the new graduate course ANAT 6181 offered to students enrolled in the graduate certificate. Students will develop an appreciation for the use of various imaging techniques and approaches to visualize normal anatomy. The course will help develop students’ teamwork skills, presentation and discussion skills, and introduce them to performing a literature search.

LEARNING OBJECTIVES:

- 1) Describe an overview of diagnostic medical imaging
- 2) Participate in discussion groups on topics covering the multiple diagnostic imaging modalities that are used today (X ray radiography, ultrasound sonography, computed tomography, and magnetic resonance imaging) to provide a foundation for medical education.

CREDIT HOURS: 2

PREREQUISITE: Human Clinically-Oriented Gross Anatomy (ANAT 6181), either previously or simultaneously. Enrollment in the Graduate Certificate in Anatomical and Translational Sciences or permission of the Director of the Graduate Certificate.

LECTURE CONTACT TIME/HOURS: Weekly one 2-hour lecture.

METHOD OF ASSESSMENT:

- Four in-class project presentations, oral presentations and written reports (60%)
- One multiple-choice exam at the end of the class (30%)
- Class participation (10%)

FACULTY:

1) Rosalyn Jurjus, M.D. Ph.D., (Course Co-Director), Assistant Professor, Department of Anatomy & Regenerative Biology; Ross Hall 461B, rajurjus@gwu.edu

2) Kirsten M. Brown, Ph.D., (Course Co-Director), Assistant Professor, Department of Anatomy & Regenerative Biology; Ross Hall 462A, kmbrown@gwu.edu

TEXTBOOK: Radiographic Anatomy by Frank Slaby and Eugene Jacobs, 1st ed. Lippincott Williams & Wilkins. ISBN: 068-3-06266-2

READING LIST: TBD

CLASS POLICIES

Attendance policy: mandatory

Late work: accepted with permission, penalty may be incurred if unduly late as determined by instructor. Religious Holidays will be accommodated, if requested

[NOTE: for university policies on teaching, see <http://www.gwu.edu/~academic/Teaching/main.htm>

ACADEMIC INTEGRITY

I personally support the GW Code of Academic Integrity. It states: “Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information.” For the remainder of the code, see: <http://www.gwu.edu/~ntegrity/code.html>

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM

DISABILITY SUPPORT SERVICES (DSS)

Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in the Marvin Center, Suite 242, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to: <http://gwired.gwu.edu/dss/>

UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300

The University Counseling Center (UCC) offers 24/7 assistance and referral to address students' personal, social, career, and study skills problems. Services for students include:

- crisis and emergency mental health consultations
 - confidential assessment, counseling services (individual and small group), and referrals
- <http://gwired.gwu.edu/counsel/CounselingServices/AcademicSupportServices>

SECURITY

In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at a predetermined rendezvous location.

LECTURE TOPICS:

Session	Topic for week
1	Lecture: Foundations in Radiographic Techniques
2	Lecture: Introduction to Project Presentation Assignment of Projects for Course
3	Lecture: Literature Search (Facilitated by Library faculty)
4	No class: Work Independently on Project
5	Lower Limb Project Presentations

6	No class: Work Independently on Project
7	Upper Limb Project Presentations
8	No class: Work Independently on Project
9	Head and Neck/Thorax Project Presentations
10	No class: Work Independently on Project
11	Abdomen/Pelvis and Perineum Project Presentations
12	Ultrasound Practice session (all areas of body) To be Coordinated with Simulation Center
13	Review Session (Optional Attendance)
14	Final Exam

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1	Lecture: Foundations in Radiographic Techniques
2	Lecture: Introduction to project presentation Assignment of projects for course
3	Lecture: Literature search (facilitated by Library faculty)
4	No class: Work independently on project
5	Lower limb project presentations
6	No class: Work independently on project
7	Upper Limb project presentations
8	No class: Work independently on project
9	Head and Neck/Thorax project presentations
10	No class: Work independently on project
11	Abdomen/ Pelvis and Perineum project presentations
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