SYLLABUS
Advanced Studies in Translational Sciences (ANAT 6275)

COURSE DESCRIPTION:
ANAT 6275 is a new graduate course designed to provide opportunity to students to do a semester-long rotation in a laboratory conducting translational research in order to apply fundamental concepts learned in didactic courses and become versatile with cutting edge technologies. We expect students to spend the equivalent of three full days in a research laboratory. The course director must approve all laboratory rotations prior to initiating research studies with a mentor. The course director will guide the students in their research rotation.

LEARNING OBJECTIVES:
1) Conduct an independent research project in the field of translational sciences and clinical research with personalized mentoring.
2) Construct a scientific PowerPoint presentation.
3) Deliver a scientific oral presentation.
4) Write a research report according to the guidelines a *Proceedings of the National Academy of Sciences*.

CREDIT HOURS: 3

PREREQUISITE: Introductory Biology for Science or non-Science Majors and notion of biomedical research. Enrollment in the Graduate Certificate in Anatomical and Translational Sciences or permission of the Director of the Graduate Certificate.

CONTACT TIME/HOURS: Each rotation is 13 weeklong and will be carried out in the Fall and/or Spring semester. Students are expected to be 3 full days per week in the laboratory.

METHOD OF ASSESSMENT: The grading method for this course is a LETTER GRADE. A letter grade will be assigned if students have spent the required number of hours in a research laboratory and successfully complete the assignments listed below:
1) At the end of a rotation, students will give an oral presentation to the class with 8 to 10 PowerPoint slides, which will include a brief introduction, the main objective of the conducted research, methods, results, discussion and future questions.
2) At the end of each rotation, the students will turn in a written laboratory rotation report according to the guidelines of the *Proceedings of the National Academy of Sciences of the United States of America* (PNAS), as described on their website [http://www.pnas.org/misc/iforc.shtml](http://www.pnas.org/misc/iforc.shtml).
3) Student’s performance will be evaluated by the mentor according to the guidelines implemented for the IBS laboratory rotations.
4) Students will also evaluate their mentor.
FACULTY:  *Anne Chiaramello, Ph.D.*, (Course Director), Associate Professor, Department of Anatomy & Regenerative Biology; Ross Hal 111; Email: achiaram@gwu.edu

TEXTBOOK: None

READING LIST: None

CLASS POLICIES
Mandatory three full days per week
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.