SURG 7710: Introduction to Vascular Surgery Research

Approved: 8/5/2020

Credit Hours: 2-4

Contact Information

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Course Information

Brief Description of Course
An independent research course arranged between the individual student and the individual research mentor. The intent of the course is to provide students with experience in evidence based clinical research and/or health professions education research that is relevant to vascular surgery.

Course Objectives
As a result of successfully completing the SURG 7710, students will be able to:
1. Effectively discuss:
    a. The scientific question addressed by the research.
    b. His/her contribution to addressing the scientific question.
    c. The research in the larger context of the practice of vascular surgery.
2. Complete Human Subject Research and Good Clinical Practice trainings via the CITI Program.
3. Complete an IRB proposal for a clinical or educational research project.
4. Write a scientific abstract on a clinical or educational research project.
5. Prepare a manuscript for submission to a peer-reviewed publication.

Course Format & Schedule

Timeline
The timeline is variable and will be determined by the research mentor and student.

Educational and Instructional Modalities
The Course Director will assist in matching students with potential research mentors. The course will be delivered by a combination of online guided study (via Canvas), independent study, and in person consultation with the research mentor.

Role of the Student in this Course
Specific project goals and expectations will be arranged with the consent and input of the research mentor. The proposed research should apply the scientific method and be hypothesis driven, with the expectation of a significant contribution by the student to a project suitable for co-authorship on an abstract at a national meeting and/or manuscript publication.

Required Textbooks/Readings
Welch, H. G. (1999). Preparing Manuscripts for Submission to Medical Journals: The Paper Trail. *Effective Clinical Practice*. 2(3): 131-137.

Additional Resources
Additional resources will be provided as needed throughout the semester.

Assessment & Grading

	Weight	Must Pass/ Must Complete	Due Date
Participation & Completion of Canvas Course Modules	N/A	Must Complete	Upon Course Completion
Research Proposal	N/A	Must be Approved	Required Prior to Commencing Research
Final Research Report	N/A	Must Pass	Upon Course Completion
Mentor Evaluation	N/A	Must Pass	Upon Course Completion

Assessments

1) Participation & Completion of Canvas Course Modules
   a. Research Onboarding
      i. Human Subject Research Training
      ii. Utah Institutional Review Board
      iii. Conflict of Interest
      iv. REDCap
   b. Database & Registry Research
      i. Vascular Quality Initiative (VQI)
   c. How to write a manuscript for publication in a medical journal (See Required Reading)
   d. How to write a grant
   e. Fundamentals of survey-based research
   f. Fundamentals of qualitative research
   g. Other

2) Research Proposal: A 1-page research proposal stating the objective(s), hypothesis, data collection, statistical analysis approach, and expected time frame should be submitted to the research mentor for approval.

3) Final Research Report: The student must submit a research abstract to a local, regional or national meeting. If the project(s) are completed, the student is also responsible for submitting a manuscript to an appropriate peer-reviewed journal.

4) Mentor Evaluation: The research mentor is responsible for evaluating the student's overall performance.

Grading System
Students will receive a final letter grade of PASS (P) or FAIL (F) for this course:

PASS: A student who achieves all of the assessment criteria will be assigned a grade of PASS for the course.

FAIL: A student who fails to achieve all of the assessment criteria for PASS will be assigned a grade of FAIL for the course.

Student Feedback
Providing feedback is an important aspect of your professionalism expectation, and helps with our curriculum quality improvement process. Your elective course director or coordinator will inform of you of any course feedback surveys. Surveys must be completed by the due date to demonstrate reliability for the professionalism competency.

Standard Policies
Please refer to the Student Handbook (on the Student Affair's website) for these policies:
Accommodations
Addressing Sexual Misconduct
Dress Code

Examination and Grading Policies
Grade or Score Appeal
Professionalism, Roles & Responsibilities
Mistreatment
Infectious, Environmental and Bloodborne Pathogen Exposures Policy

Alternate Name and/or Personal Pronoun

Class rosters are provided to the instructor with the student's legal name as well as 'Preferred' first name (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, we will honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise us of any name or pronoun changes (and please update CIS) so we can help create a learning environment in which you, your name, and your pronoun will be respected.

Center for Disability & Access

The School of Medicine seeks to provide equal access to its programs, services and activities for all medical students. The Center for Disability and Access (CDA) provides accommodations and support for the educational development of medical students with disabilities. Medical students with a documented disability, and students seeking to establish the existence of a disability, that would like to request accommodations are required to meet with the CDA to establish accommodations. The CDA will work closely with eligible students and the Academic Success Program to make arrangements for approved accommodations. The School of Medicine and CDA maintain a collegial, cooperative, and collaborative relationship to ensure compliance with federal and state regulations for students with disabilities.

Steven Baumann EdD, School of Medicine Senior Director of Academic Success Program, serves as the liaison between the School Of Medicine and the CDA.

Contact Information:
Dr. Steven Baumann, Senior Director of Academic Success Program

Safety Statement

The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.