

Advanced Biomedical Research

Norman F. Capra

Description:

The purpose of this elective is to provide an advanced research opportunity and academic credit for students who have participated in either clinical or basic research activities at sometime during their first three years in dental school. It is expected that a person taking this elective will be continuing previous work with a faculty mentor initiated either during a structured program (e.g., the summer program), other academic offerings (e.g. selectives) or through independent efforts. The student will earn 1.5 academic credits for this activity.

Duration: 45 hours consisting primarily of laboratory experience certified by the research mentor. Other components of the course will involve participation in research related activities such as journal clubs and research meetings.

Class Size Limited: No

The number of students selected for a research elective is not limited but only one student will be appointed to a single mentor/PI for a given semester.

Location: The location will generally be the laboratory and related facilities of a training grant principal investigator/mentor

Educational Purpose of the Course

- Continue to develop research techniques necessary to conduct basic or clinical research
- Participate in discipline relevant journal clubs and study groups
- Review literature related to a research project
- Develop a final report of the research experience preferably in the form of a scientific abstract suitable for presentation at a National or International meeting

Prerequisites: Prior research experience with a University of Maryland Baltimore Faculty member during the course of the DDS program.

Methods of Evaluation:

_____ Quality of initial research proposal (to be submitted by the student and mentor prior to initiating the elective experience)

_____ Participation in journal club discussions

_____ Quality of final report as determined by outcome and adherence to initial plan

Method of Grading: Pass/fail

Classroom Required: None

Date: TBA **Time Afternoon on Monday and/or Friday from 1-5