RGME 525. Foundations in Regenerative Medicine. 2 Units.
This course is designed to provide an introduction to topics and concepts related to Regenerative Medicine and Stem Cell research. Regenerative Medicine topics to be covered:
- High overview of Developmental Biology and Biomedical Engineering principles
- Emerging research strategies and technologies to support regenerative medicine research
- Federal regulatory issues ensuring compliance during clinical research and drug development
- Cellular manufacturing processes; practical and theoretical basis for GMP
- Commercialization process of biotechnologies
- Ethical and societal issues
Extensive student participation is required due to online course format. Instructors will provide a brief overview of key concepts and current research. Students will be responsible for critical appraisal of recent scientific literature by researchers in the field. Recommended pre-requisites, two undergraduate semesters of biology.
Prereq: Graduate students only.