This laboratory course is specifically designed to lead students through a hypothesis-driven discovery-based research project stemming from current research questions in reproductive science including but not limited to: factors important to reproductive organ development, signaling pathways that inform reproductive organ structure and function, and molecular and cellular pathways implicated in reproductive disease. Prerequisites: REPR_SCI 405-0, REPR_SCI 407-0, REPR_SCI 425-0.

REPR_SCI 443-0 Reproductive Research II (1 Unit)
This course is a continuation of REPR_SCI 442-0. REPR_SCI 443-0 will shift to advancing data acquisition and analysis, expanding project design directions and enhancing oral and written scientific communication. Prerequisites: REPR_SCI 405-0, REPR_SCI 407-0, REPR_SCI 425-0, and REPR_SCI 442-0.

REPR_SCI 450-0 Presentations in Reproductive Science and Medicine (1 Unit)
A writing intensive course designed to teach students how to write and evaluate scientific research proposals. Students will practice writing, editing, and giving constructive criticism through assignments and group activities. The class culminates in a mock study section.

REPR_SCI 455-0 Research Proposals (1 Unit)
A seminar attendance and discussion course designed to support retention and application of the information presented in a range of seminars, grand rounds, and data clubs.

REPR_SCI 475-0 Research Projects (1-3 Units)
This course provides instruction and guidance on the responsible conduct of research. NIH defines the responsible conduct of research as the practice of scientific investigation with integrity. The responsible conduct of research involves the awareness and application of established professional norms and ethical principles in the performance of all activities related to research. Students will receive instruction and discuss a variety of topics required to perform high quality research with integrity, transparency, rigor, and reproducibility from experts in these areas and faculty conducting reproductive science research.

REPR_SCI 497-0 Assessment and Career Planning (1 Unit)
A writing intensive course designed to teach students how to write and evaluate scientific research proposals. Students will practice writing, editing, and giving constructive criticism through assignments and group activities. The class culminates in a mock study section.

REPR_SCI 591-0 Thesis Research in Reproductive Science and Medicine (1-3 Units)
During this course, students will prepare a written thesis describing their research project including the research question/hypothesis, rationale and significance, a literature review, experimental approach, data and results, and future directions. Prerequisite: REPR_SCI 595-0.

REPR_SCI 595-0 Research in Reproductive Science and Medicine (1-3 Units)
Students will become integrated members of their laboratory or research group and commit a minimum of 20 hours per week to research. Research mentors will evaluate student research commitment and progress and assign the grade for the course.