

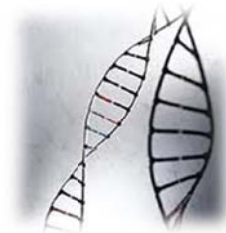
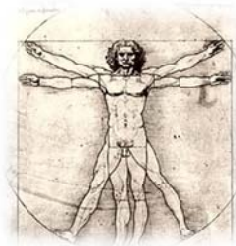
Undergraduate Research Experience in One Semester!

ENY4905 section 09B1, Morphometrics, 3 credits, Tuesday, 6th period (12:50 – 1:40), C. Miller

Are you looking for a single-semester research experience where you can have fun, learn a lot, and not simply wash glassware? If so, this course is for you. This is a structured research experience. You will contribute to an actual scientific study, learn skills in morphometrics, and have weekly discussions about the nature of science. And, you will do this with 10-20 other undergraduate researchers. Near the end of the semester, we will statistically analyze everyone's data together, make graphs, and you will have a chance to present an independent project on the data in oral or poster format (your choice). This is a real resume builder and will be a great experience for serious students!

Topics discussed in the course will include:

- The philosophy of science
- Science in society
- Ethics in science
- Science and medicine
- Evolutionary medicine
- Challenges when researching humans
- Model systems in research (e.g. using flies to understand human diseases)
- Basic versus applied research
- Morphometrics and behavior
- Presentation of research



This is a three-credit course. We will meet for 50 minutes, one time per week, Tuesday, 6th period (12:50 – 1:40), room 2217, Entomology & Nematology (Steinmetz Hall). Outside of class, students will be responsible for measuring insects, and we will use this data generated to illustrate important principles in science. You should plan on devoting 10 hours per week to gathering data and completing readings. Direct questions to Dr. Christine Miller, cwmiller@ufl.edu.

