

ASR 211 - INTERMEDIATE SCIENCE RESEARCH II

Course Description

Students learn research methodology in the natural and social sciences by accessing scientific databases, by using online bibliographic search techniques, consulting doctoral-level research scholars, developing hypotheses and performing experiments to test them, and by writing research papers and making presentations at scientific symposia.

Emphasis is placed upon performing experiments in consultation with mentors. Group 2 course.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

Required Prerequisites

Completion of ASR 210; permission of instructor.

General Education Outcomes supported by this course

Communications - Direct

Course Learning Outcomes

Knowledge:

- Organize and present advanced information related to research topics.

Application:

- Refine a research question and hypothesis based on initial, exploratory research.

Integration:

- Synthesize primary and secondary research into a public presentation.

Human Dimension:

- Connect with a research mentor.

Caring - Civic Learning:

- Share your enthusiasm, knowledge, and findings about your research project through a poster presentation.

Learning How to Learn:

- Take responsibility for continuing research in your chosen topic.