

ASR 220 - ADVANCED SCIENCE RESEARCH I

Course Description

Continuation of work undertaken in ASR 211 with emphasis placed on the completion of experiments in consultation with mentors. Students consult with their teachers as necessary and are expected to spend at least 3 hours per week outside of class. Group 2 course.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

Required Prerequisites

Satisfactory completion of ASR 211 or equivalent; permission of instructor. High School only.

General Education Outcomes supported by this course

Communications - Direct

Course Learning Outcomes

Knowledge:

- Describe your research in poster and paper format.

Application:

- Statistically analyze your research data.
- Develop a research poster presentation.
- Author a research paper for potential publication.

Integration:

- Link your research data to your question and hypothesis.
- Synthesize your research conclusions.

Human Dimension:

- Offer constructive feedback to other researchers.

Caring - Civic Learning:

- Mentor a first-year research student.
- Commit to communicating your research findings in a public forum.

Learning How to Learn:

- Reflect on your performance of putting your research project together.
- Develop an action plan for the next steps for your research.