Science (SCIE) 495

Science Projects I (Revision 1)

Status:	Replaced with new revision, see the **course listing** for the current revision
Delivery mode:	**Individualized study** with a **Home Lab** . This course is charged a **lab fee**
Credits:	3
Area of study:	Science
Prerequisites:	For SCIE 495: at least 18 credits (at least 9 at the senior level) in the topic area and permission of the professor. For SCIE 496: SCIE 495. Before registering, students must submit an acceptable **project proposal** to the course coordinator. **Dr. Shawn Lewenza**
Precluded:	None
Challenge:	SCIE 495 is not available for challenge.
Faculty:	**Faculty of Science and Technology**

Notes: Project Proposal

Overview

SCIE 495 and SCIE 496 are based on contracted study arrangements between each student and an approved supervisor. Students improve their skills to choose and define problems, obtain information from libraries or experiments, organize facts and ideas, and report ideas and conclusions in written form.

These courses are for students who wish to carry out interdisciplinary science-related projects or to obtain formal recognition, through these courses of science-related skills and training they have received on the job (e.g., agriculture, forestry, or industry). A student may complete one three-credit project (SCIE 495) or two three-credit projects (SCIE 495 and SCIE 496).

These courses may involve library, field, or laboratory work as agreed to by the student and the supervisor. Students are expected to obtain and pay for all materials used in the projects. Project supervisors may be paid an honorarium by the University for their services. Before registering, students must submit an acceptable project proposal to the course coordinator/ professor, **Dr. Shawn Lewenza**.

Learning outcomes

Upon successful completion of this course, you should be able to

- search, critically evaluate, and summarize the primary scientific literature relevant to a given research question.
- develop and perform experiments to test and refine hypotheses based on data.
- analyze and interpret data in order to draw conclusions.
- communicate original research findings in a variety of scientific formats.

Evaluation

The assessment for these courses is based upon the student's written reports and other work as outlined in his or her learning contract. The evaluation is based on the project supervisor's assessment of the student's work. SCIE 495 and SCIE 496 are excluded from the challenge for credit policy.

To learn more about assignments and examinations, please refer to Athabasca University's **online Calendar** .

Materials

This course either does not have a course package or the textbooks are open-source material and available to students at no cost. This course has a **Course Administration and Technology Fee** , but students are not charged the Course Materials Fee.

Important links

- **Academic advising**
- **Program planning**
- **Request assistance**
- **Support services**

Athabasca University reserves the right to amend course outlines occasionally and without notice. Courses offered by other delivery methods may vary from their individualized study counterparts.

Opened in Revision 1, June 18, 2021

Updated September 17, 2024