Geology (GEOL) 495

Geology 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:	Permission of the professor and at least 12 credits (at least six of the credits at the senior level) in the topic area. Students must complete GEOL 495 before registering in GEOL 496.
Precluded:	None
Challenge:	GEOL 495 is not available for challenge.
Faculty:	**Faculty of Science and Technology**
Notes:	Before registering, students must submit an acceptable **project proposal** to the course

coordinator, **Dr. Kennedy Munyikwa**.

Overview

GEOL 495 and GEOL 496 are based on contracted study arrangements between the 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 science-related projects in geology, or to obtain formal recognition of science-related skills and training they have received on the job. A student may do one three-credit project (GEOL 495) or two, three-credit projects (GEOL 495 and GEOL 496). Before registering, the student must submit an acceptable project proposal.

Learning outcomes

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

- formulate research questions to address geological/scientific problems.
- develop hypotheses and provide possible explanations for observed phenomena.
- review existing literature on pertinent topics and illustrate familiarity with current ideas.
- propose a research plan to address one or more scientific questions.
- conduct a study or experiments to generate new data that test the hypothesis.
- examine research results critically to ensure their validity.
- present research results and demonstrate ability to communicate research findings.

Evaluation

To **receive credit** for GEOL 495 and GEOL 496, you must complete written reports and other prepared materials based on guidelines derived from the learning contract. Credit will be granted only after you have successfully completed a telephone quiz based on the results of your study.

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.

The course materials include a course description and student manual.

Special Course Features

This course may involve library, field, or lab work as agreed to by the student and supervisor. Students are expected to obtain and pay for all materials used in the projects. A project supervisor can be a faculty member at Athabasca University or, alternatively, someone external who is appropriately qualified. Students are requested to contact the course coordinator to obtain a project proposal form.

Important links

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

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, April 19, 2021

Updated September 6, 2024