Experiential Learning Guide

Environment and Land Resources

Experiential Learning (EL) at the University of Guelph means learning through action. Whether inside or outside of the classroom, EL activities provide you with the opportunity to apply your course material to real-world, meaningful contexts. Through EL, you can take control of your learning by acquiring new knowledge and concrete experiences that prepare you for the future.

Note: Consult the course section of the current academic calendar for detailed course descriptions, prerequisites, and restrictions. Courses listed may not always be offered and are subject to change. Consult with offering departments for current availability.

Applied Research

An applied research course allows you to conduct research under faculty guidance in an academic, industry, or community setting.

- AGR*3010 - Special Studies in Agricultural Science I
- AGR*4010 - Special Studies in Agricultural Science II
- AGR*4450 - Research Project I
- AGR*4460 - Research Project II
- ENVS*4410 - Advanced Independent Research I
- ENVS*4420 - Advanced Independent Research II
- ENVS*4430 - Advanced Independent Research
- IBIO*3100 - Interpreting Biodiversity I
- IBIO*4100 - Interpreting Biodiversity II
- IBIO*4500 - Research in Integrative Biology I
- IBIO*4510 - Research in Integrative Biology II
- IBIO*4521/2 - Thesis in Integrative Biology
- IBIO*4600 - Integrative Marine and Freshwater Research

Course-Integrated

A course has integrated experiential learning when it intentionally includes activities such as structured projects, laboratory work, design, simulations, performances, case studies, or entrepreneurship.

- AGR*2350 - Animal Production Systems, Health and Industry
- AGR*4600 - Agriculture and Food Issues Problem Solving
- BIOL*3650 - Applications in Biology
- BIOL*4350 - Limnology of Natural and Polluted Waters

Course-Integrated (cont'd)

- BIOL*3010 - Laboratory and Field Work in Ecology
- BIOL*3040 - Methods in Evolutionary Biology
- BIOL*4110 - Ecological Methods
- BIOL*4500 - Natural Resource Policy Analysis
- BOT*3050 - Plant Functional Ecology
- BOT*3710 - Plant Diversity and Evolution
- ENVM*3500 - Environmental Management Integrated Project
- MICR*3430 - Advanced Methods in Microbiology

Field Courses

Field courses prepare you for professional work through first-hand investigation and analysis in a field location, led by faculty, for part of or the full duration of a semester.

- AGR*2500 - Field Course in International Agriculture
- BIOL*4410 - Field Ecology
- BIOL*4610 - Arctic Ecology
- BIOL*4700 - Field Biology
- BIOL*4710 - Field Biology
- BIOL*4800 - Field Biology
- BIOL*4810 - Field Biology
- BIOL*4900 - Field Biology
- CROP*4260 - Crop Science Field Trip
- ZOO*4300 - Marine Biology and Oceanography

Professional Practice

Professional practice courses allow you to work under the guidance of a professional in order to gain experience and develop skills related to a field of study. Includes internships, externships, and practicums.

- AGR*3500 - Experiential Education I
- UNIV*3140 - Flexible Internship in Agri-Food

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Co-operative Education Programs

Programs with a co-op option integrate academics with three to five full-time paid workplace learning semesters relevant to the field of study.

- Ecology
- Environmental Geomatics
- Environmental Engineering
- Environment & Resource Management
- Environmental Economics & Policy
- Environmental Sciences
- Marine & Freshwater Biology
- Water Resources Engineering