

Brief Course Outline

Course Title: **Environmental Science and Sustainability**

Course Number and Section

ENVIRSCI

1021F 550

Instructor Name(s): Brennan Vogel

Instructor Email(s): bvogel@uwo.ca

Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL Brightspace is the official and authoritative source of information for the course.

Course Description:

EnvirSci 1021 – Environmental Science & Sustainability – An overview of the science underlying key environmental issues (e.g. climate change, loss of biodiversity and ecosystem function, air and water pollution, and resource use) and how each issue impacts environmental sustainability from the local to global scale. Extra Information: 3 lecture/tutorial hours.

Learning Outcomes: one outcome per entry

Develop ecological literacy in the context of local and global ecosystems and the changes they face

Survey earth's different biomes and contrast current challenges and sustainable options for future development

Cultivate systems thinking recognizing that environmental issues are multi-faceted and multi- scaled

Examine and understand the connection between human actions and their environmental consequences

Sharpen critical thinking skills as applied to solving real world problems

Gather, organize, analyze and synthesize information about a critical environmental issue of research interest and create a professional report

Use the skills developed in this course to make informed and considerate life choices regarding environmental issues, ethics and responsibility

Textbooks and Course Materials:

Karr, Susan. ENVIRONMENTAL SCIENCE: For a Changing World. FOURTH EDITION. ISBN: 978-1-319-36313-0 (ePub). © 2021, 2018, 2015, 2013 by W. H. Freeman and Company
McMillan Achieve Learning Management System
ENVIRSCI 1021 uses the McMillan Achieve Learning Management System and accompanying e-text: "Environmental Science: For a Changing World", available for purchase for \$94.00 CAD at the UWO Bookstore

Methods of Evaluation: one assignment per entry

Assignment	Due Date mm/dd/yy	Weight - %
Attendance/Participation	123126	5
Weekly Online Quizzes	123126	15
Term Project	123126	30
Mid Term Test	123126	20
Final Exam	123126	30
Extra Credit	123126	3

Monday, August 17, 2026

Huron Brief Course Outline 2026/27

In-course Costs \$094.00

For Textbooks and Course Materials (below), you are required to include the cost of each textbook or other learning material.

Note whether there are any restrictions that would prevent a student from using a second-hand copy. Here is some suggested text:

- Required textbook: [author, title, edition, publisher, date]. Cost: [insert amount].
 - Or include the weblink of the textbook’s publisher site that includes the cost information.
- Students need to purchase this edition. Second-hand or older editions will not be sufficient.
- OR Students are welcome to purchase second-hand or earlier editions of this textbook.
- This course has an optional field trip that costs [insert amount].
- This course has a required field component that costs [insert amount].

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.