

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 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:

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 at the UWO

Bookstore:

https://bookstore.uwo.ca/textbook-search?campus=HC&term=W2024A&courses%5B0%5D=550_HC/ENV1021F

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Attendance/Participation 5	December 31 2024	5
Weekly Online Quizzes	December 31 2024	15
Project 30 (Bibliography 10 / Final 20)	December 31 2024	30
Mid Term Test	TBD	20
Final Exam	TBD	30

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

Monday, August 19, 2024