



FEDERAL UNIVERSITY OF SANTA CATARINA
GRADUATE COURSE IN ECOLOGY

SYLLABUS



SEMESTER 02 / 2023

1. GENERAL INFORMATION

CODE	COURSE NAME	WORKLOAD - WEEK		WORKLOAD - SEMESTER
ECO3800000	Ecology lectures	2		30
	Number of students	Minimum: 4	Maximum: 20	N of credits: 2

2. SCHEDULE

July 31 – November 27
Monday, 4-6 pm

3. LECTURERS

Dr Andrea Freire
Dr Michele de Sá Dechoum
Dr Erica Becker
Dr Rafael Barbizan Sühs

4. GRADUATE COURSE

Ecology

5. COURSE OUTLINE

Students' presentations and discussions in English based on scientific articles in the field of ecology.
Students' presentation and discussion in English of special topics in the fields of ecology and environmental sciences, focusing on scientific media.
Lectures by guest professors, followed by discussion – all in English.

6. COURSE OBJECTIVES

To train MSc and PhD students to communicate in English.
To meet the requirements of CAPES for the internationalization of the PPGECO.
To discuss relevant and up-to-date topics in science as well as in the academic environment.
To help MSc and PhD students to develop skills related to science communication.

7. DESCRIPTION OF METHODS

The course will be based on activities such as lectures, group exercises, and discussion of scientific papers and scientific media papers.

8. ASSESSMENT

Group exercises, participation in class, tasks in class and on Moodle, final task (post for social media)

9. COURSE PROGRAM

August 7 - Class 1: Course overview, presentation of the participants

August 14 - Class 2: Discussion (scientific paper/text/topic/video)

August 21 - Class 3: Lecture: guest professor

August 28 - Class 4: Discussion (scientific paper/text/topic/video)

September 04 - Class 5: Discussion (scientific paper/text/topic/video)

September 11 - Class 6: Preparation for 3-minute Talk

September 18 - Class 7: Lecture: guest professor

September 25 - Class 8: 3-minute Talk

October 02 - Class 9: Discussion (scientific paper/text/topic/video)

October 09 - Class 10: Lecture: guest professor

October 16 - Class 11: Science communication – the COMPASS Box

October 23 - Class 12: Discussion (scientific paper/text/topic/video)

October 30 - Class 13: Lecture: guest professor

November 06 - Class 14: Discussion about the first draft of the final task

November 13 - Class 15: Science Communication – design for social media

November 20 - Class 16: Presentation and discussion – first complete version of the final task

November 27 - Class 17: Final presentation of the final task, closing remarks, course evaluation

10. REFERENCES

Ricklefs, R. & Relyea, R. 2014. Ecology: The Economy of Nature. 7th edition. Freeman

National Geographic - <https://www.nationalgeographic.com/>

Nature - <https://www.nature.com/>

Science News - <https://www.sciencemag.org/news>

Scientific American - <https://www.scientificamerican.com/>

The Guardian – Scientific Writing: <http://www.theguardian.com/science/series/secrets-science-writing>