



FEDERAL UNIVERSITY OF SANTA CATARINA
GRADUATE COURSE IN ECOLOGY

SYLLABUS



SEMESTER 02 / 2024

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

September 02 – December 16 (Monday, 4-6 pm)
Sala CCB-PG 005 - Térreo - Bloco D

3. LECTURERS

Dr Michele de Sá Dechoum
Dr Bernardo Flores
Dr Carolina Levis
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.

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, led by students and/or lecturers.

8. ASSESSMENT

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

9. COURSE PROGRAM

September 02 – Class 1: Course overview, presentation of the participants

September 09 - Class 2: Discussion (scientific paper/text/topic/video)

September 16 - Class 3: Lecture: guest professor

September 23 – Class 4: Discussion (scientific paper/text/topic/video)

September 30 – Class 5: Discussion (scientific paper/text/topic/video)

October 07 – Class 6: Lecture: guest professor

October 14 – Class 7: Discussion (scientific paper/text/topic/video)

October 21 – Class 8: Preparation for 3-minute Talk

November 4 – Class 9: 3-minute Talk

November 11 – Class 10: Discussion (scientific paper/text/topic/video)

November 18 – Class 11: Lecture: guest professor

November 25 – Class 12: Discussion (scientific paper/text/topic/video)

December 02 – Class 13: Science communication – the COMPASS Box + design

December 09 – Class 14: Discussion - first draft of the final task

December 16 – Class 15: 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>