



FEDERAL UNIVERSITY OF SANTA CATARINA
GRADUATE COURSE IN ECOLOGY

SYLLABUS



SEMESTER 02 / 2020

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

Mondays, 4-6 pm

3. LECTURERS

Profa. Dra. Andrea Freire
Profa. Dra. Michele de Sá Dechoum
Prof. Dr. Renato Freitas
Dra. Kalina Brauko

4. GRADUATE COURSE

Ecology

5. COURSE OUTLINE

Students' presentation and discussion of seminars 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 of 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 internalization of the PPGECO.

7. DESCRIPTION OF METHODS

The course will be based on activities such as lectures, group exercises, and discussion of scientific papers. Five asynchronous activities (2 hours each) will be combined with 10 synchronous online

activities which will happen every Monday (2-4pm) from February 8 to April 19, 2021.

8. ASSESSMENT

Lectures, group exercises, writing of a scientific media text, participation in class.

9. COURSE PROGRAM

February 8 - Class 1: Course overview, preparation for the course activities

February 15 - Class 2: Class 1 – Discussion of a scientific paper + asynchronous activity (2h)

February 22 - Class 3: Lecture 2 – guest professor (Sergio Floeter)

March 1 - Class 4: Lecture 3 – Scientific paper + asynchronous activity (2h) or SAPECO 3MT

March 8 - Class 5: Lecture 4 – Scientific paper+ asynchronous activity (2h) or PRINT Summer School

March 15 - Class 6: Lecture 5 - guest professor – to be defined

March 29 - Class 7: Lecture 6 – Scientific paper + asynchronous activity (2h)

April 5 - Class 8: Lecture 7 - Scientific Media

April 12 - Class 9: Lecture 8 – Scientific Media + asynchronous activity (2h)

April 19 - Class 10: Lecture 9 - 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>