



PRESENTACIÓN

Breve descripción:

The course will explain the current state of the most relevant topics concerning environmental issues following the chapters 5-9 (Air, Biodiversity, Oceans and Coasts, Land and Soils, and Freshwater) of the Global Environmental Outlook (GEO-7) from the United Nations

- **Titulación:** Environmental Sciences
- **Módulo/Materia:** VIII
- **ECTS:** 3
- **Curso, semestre:** 1st
- **Carácter:** OP
- **Profesorado:** Johann Martinez Lüscher (johannml@unav.es)
- **Idioma:** English
- **Aula, Horario:** 16 (Ed. Bibliotecas) Thursdays at 12 pm -14 pm

RESULTADOS DE APRENDIZAJE (Competencias)

Understand the evolution of sources of air pollutants by industry and geographic area. Depending on their background the students will be expected to know the fate of pollutants in the environment.

Understanding the current state of Biodiversity loss, causes and consequences for the society

Understanding the current state of the biggest environmental issues concerning the oceans and coasts (e.g. chemical pollution, plastics, coral reef loss...)

Understanding the current state of the biggest environmental issues concerning the land and soil (food security, fertilizer overuse, soil erosion, growth of agricultural landuse...)

Understanding the current state of the biggest environmental issues concerning freshwater ecosystems (water scarcity, groundwater contamination, pollution, habitat loss...)

The students are expected to synthesise the topics through their written skills and present one topic in groups developing their oral communication skills.

PROGRAMA

Lecture 1: Presentation of the course 12:00-12:50. classroom 16 science library building.

Lecture 2: explanation Ch. 5 Air

Lecture 3: students presentation Ch. 5 Air

Lecture 4: explanation Ch. 6 Biodiversity

Lecture 5: students presentation Ch. 6 Biodiversity



Universidad de Navarra

Lecture 6: explanation Ch. 7 Oceans and Coasts

Lecture 7. students presentation Ch. 7 Oceans and Coasts

Lecture 8: explanation Ch. 8 Land and Soil

Lecture 9. students presentation Ch. 8 Land and Soil

Lecture 10: explanation Ch. 9 Freshwater

Lecture 11. students presentation Ch. 9 Freshwater

Lecture 12. Recap. All managers deliver the Summary of their assigned chapter.

ACTIVIDADES FORMATIVAS

The students will get one of the chapters assigned to work on it through a group presentation and an individual report. The rest of the 4 topics will be developed through a table summary (all students all topics, except for the one assigned for oral presentation and report)

The course will be theoretical and presence is required in all the group presentations. Participation in debates and questions is valued.

EVALUACIÓN

CONVOCATORIA ORDINARIA

The final grade is obtained following this criteria:

- 40% of the final grade: The grade obtained from the delivered Tables and comments of the unassigned chapters.
- 30% of the final grade: The grade obtained with the Presentation of the assigned chapter and its discussion.
- 30% of the final grade: The grade obtained for the Final commented summary of the assigned chapter (due November 28)

Good classroom participation during presentations can improve the grade above the preceding criteria.

CONVOCATORIA EXTRAORDINARIA

Final Test: In the event that the assignments delivered (presentations, tables and final summaries) do not reach the required quality, students will take a test that will decide the grade.

HORARIOS DE ATENCIÓN

Dr. Johann Martínez Lüscher. (Johannml@unav.es)

- Despacho: 5B06. Edificio. Planta .5a.
- Horario de tutoría: Thursdays 14h-16h



Universidad
de Navarra

BIBLIOGRAFÍA Y RECURSOS

- <https://www.unep.org/resources/assessment/part-state-global-environment>