

Contamination Social Awareness and Environmental Ethics

Synopsis

The topics covered will allow getting knowledge in main aspects of bioethics and social perception of the contamination. Students will critically evaluate how communication media transmit information to the society in environmental issues.

Aims

To provide exposure to the most outstanding instrumental methods for trace analysis in environmental samples.

Objectives

At the end of the Unit, you should:

1. Understand the environmental impact and risk of genetically modified organisms (GMOs).
2. Understand the concepts of contamination, toxicity, remediation and recovery associated to sustained development.
3. Understand the interaction between humans and contaminated environments from the perspectives of communication media and society.
4. Understand the science and technology from a social perspective

Key Skills Acquired

At the end of this Unit, you should understand:

- Bioethic aptitudes and attitudes in teaching, research and management activities.

Syllabus

Part I: Contamination and Society

1. Contamination and industry
2. Global effects of contamination
3. Contamination and politics
4. Industrial revolution/Ecologism/Nuclear powered facilities/Future perspectives
5. Contamination: Literature, cinema and communication media
6. Science, technology and society

Part II: Environmental Ethics

1. Environmental education
2. Biodiversity and management
3. Environment and anthropogenic effects
4. Bioethics

Learning & Teaching

- Lectures: 20 hr
- Seminars (for case studies and applications): 30 hr
- Practical/Team work: 10 hr

Teaching Staff : B Zaldibar (Coord.) , T Heyd, U. Goiti

Semester: 3

Timetable slot: To be advised

ECTS: 6

Level: Compulsory

Bibliography

- Edelstein, M.R., Tysiachniouk, M., Smirnova, L.V. (Eds.). 2007. Cultures of Contamination. Emerald Publishing. ISBN 978-0-7623-1371-6.
- Wagner, M., Lambert, S. (Eds.). 2018. Freshwater Microplastics: Emerging environmental contaminants? SpringerLink. ISBN 978-3-319-61615-5

Assessment

- Written theory examination (50%)
- Oral presentation (50%)

Course Evaluation

By completion of University Unit Evaluation Questionnaire by students, annual assessment by Unit Coordinator.