

ENVIRONMENTAL RESOURCES AND FOOD PRODUCTION

COURSE OUTLINE

1. GENERAL			
SCHOOL	School of Health Sciences		
ACADEMIC UNIT	Department of Nutrition and Dietetics Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	0809.2.007.0	SEMESTER	255th
COURSE TITLE	Environmental Resources and Food Production		
INDEPENDENT TEACHING ACTIVITIES if credits are awarded for separate components of the course	WEEKLY TEACHING HOURS	CREDITS	
	2	4	
Total	2	4	
COURSE TYPE general background, special background, specialised general knowledge, skills development	Theory with two laboratories exercises		
PREREQUISITE COURSES	No previous course teaching is required		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	English		
OFFERED TO ERASMUS STUDENTS	Yes (in English)		
COURSE WEBSITE (URL)			
2. LEARNING OUTCOMES			
Learning outcomes			
Food and natural environment are in connection. Its imprint food is terms that occupy the modern concept of sustainability. Inside within the framework of the course are the students will come in contact with the environmental education, technical terms and the combination of food science on issues related to the connection between nutrition and the environment, management water resources and more generally the ecological management of food issues.			
General Competences			
Knowledge and application in ecological studies with reference to environmental social and economic issues using equations on sustainable development. Knowledge of the general environmental framework and actions within the framework of international organizations and EU legislation. Practical water management issues, with emphasis on arid regions. Environmental awareness in food management and especially in the issue of food waste.			
3. SYLLABUS			

- Introduction to the aims and content of the course (interpretation of the terms Natural resources-Food production)
- Environment Food, Education- Sustainability- ESG
- Health Nutrition Environment, Healthy life and consumption of local products
- Development Indicators, The concept of environmental Sustainability Indicators, environment, Society.
- Series of Equations based on the Environment and sustainability
- Economic Principles of Food Production Factors of Production, Work, Means of Production,
- Efficiency Degree, Production Functions
- Food Processing Environment, Processing of Agricultural Products, economy and science,
- Processing methods, Benefits from the processing of agricultural products, Biofuels,
- Water in Food Global water management issues.
- Food Waste - The Phenomenon, Methods of measuring food waste
- From Sustainable Production to Sustainable Consumption, The concept of production, The concept of sustainable production,
- The challenges of sustainability

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY Face-to-face, Distance learning, etc.	in situ						
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY Use of ICT in teaching, laboratory education, communication with students	• Support of learning process through the asynchronous platform e-class • Use of PowerPoint during lectures. • Use of AI for information search and processing analysis						
TEACHING METHODS The manner and methods of teaching are described in detail.	<table> <tr> <th>Activity</th><th>Semester workload</th></tr> <tr> <td>Lectures & Practice Exercises</td><td>1</td></tr> <tr> <td>Course total</td><td>1</td></tr> </table>	Activity	Semester workload	Lectures & Practice Exercises	1	Course total	1
Activity	Semester workload						
Lectures & Practice Exercises	1						
Course total	1						
STUDENT PERFORMANCE EVALUATION Description of the evaluation procedure	based on the notes given to them but also the participation in the course activities and in at least 9 of the 12 total lectures, they will have to make a presentation on one of the topics that will be agreed with the professor and they will have to develop and defend it.						

5. ATTACHED BIBLIOGRAPHY

Alvarez de los Mozos, E., Badurdeen, F., & Dossou, P. E. (2020). Sustainable consumption by reducing food waste: A review of the current state and directions for future research. *Procedia Manufacturing*, 51, 1791-1798.

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Tsikalakis G.J., "The Moral dimension of Ecology in Teaching of Nutrition" *Advances in Ecological and Environmental Research*, Vol. 4, Issue 5, May 2019, p. 147-158. (ISSN 2517-9454 USA).

Tsikalakis G.J., "The Mediterranean Diet as a Factor in Environmental Education" *Journal of Environmental Science and Engineering B 7* (2018) 316-323

