



# UNIVERSITY OF PIRAEUS

<b>FACULTY/SCHOOL</b>	School of Economics, Business and International Studies		
<b>DEPARTMENT</b>	Department of Economics		
<b>LEVEL OF STUDY</b>	Undergraduate		
<b>COURSE UNIT CODE</b>	OKBIA08	<b>SEMESTER</b>	8
<b>COURSE TITLE</b>	BIOECONOMY AND SUSTAINABLE DEVELOPMENT		
<b>WEEKLY TEACHNG HOURS</b>	4	<b>CREDITS (ECTS)</b>	6
<b>COURSE TYPE</b>	Elective		
<b>PREREQUISITE COURSES</b>			
<b>INSTRUCTION LANGUAGE</b>	Greek	<b>ASSESSMENT LANGUAGE</b>	Greek
<b>OPEN TO ERASMUS</b>	Yes		

<b>LEARNING OUTCOMES</b>	<p>The aim of the course is to provide students with modern theory and practice, skills and competencies in the new field of Bioeconomy and Sustainable Development. The course contains basic knowledge of biology and biotechnology in order for students to get acquainted with the potential of bioeconomy in the modern business and economic environment. Section 2 of the course regards special issues of sustainable entrepreneurship, tools, sustainability reporting etc. By the end of the course the students are expected to:</p> <ul style="list-style-type: none"> <li>• Understand the modern concepts of bioeconomy and sustainable development</li> <li>• Have knowledge of basic concepts in biology and biotechnology</li> <li>• To know what sustainable entrepreneurship means</li> <li>• Know about sustainability reporting</li> <li>• Use basic tools in measuring sustainability</li> <li>• Know the sustainable development framework</li> </ul>
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<b>GENERAL COMPETENCES</b>	<ul style="list-style-type: none"> <li>• Working in an international environment</li> <li>• Working in an interdisciplinary environment</li> <li>• Introduction of new research ideas</li> <li>• Market analysis</li> <li>• Independent work</li> <li>• Environmental respect</li> <li>• Developing initiatives for sustainable development</li> <li>• Sustainable entrepreneurship</li> <li>• Circular economy</li> </ul>
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<b>COURSE CONTENT</b>	<ul style="list-style-type: none"> <li>• Basic concepts in Bioeconomy</li> <li>• The international field of bioeconomy and national strategies</li> <li>• Food safety and bioeconomy</li> <li>• Cells as a biological laboratory</li> <li>• Land biomass as a natural resource</li> <li>• Sea biomass</li> <li>• How bioeconomy is sustainable</li> <li>• Biotechnology actions in Bioeconomy</li> <li>• Introduction to sustainable entrepreneurship</li> <li>• The framework of sustainability</li> <li>• Leadership and Governance in sustainable entrepreneurship</li> <li>• Regulation for sustainability</li> <li>• Tools and reports</li> <li>• Sustainability marketing</li> </ul>
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<b>USE OF ICT IN TEACHING</b>	Lectures are carried out with the use of ICTs
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<b>COURSE DESIGN</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Activity/Method</th> <th style="width: 30%;">Semester workload</th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td style="text-align: center;">52</td> </tr> <tr> <td>Study</td> <td style="text-align: center;">58</td> </tr> <tr> <td>Individual exercises</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Exam</td> <td style="text-align: center;">1</td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: center;"><b>112</b></td> </tr> </tbody> </table>	Activity/Method	Semester workload	Lectures	52	Study	58	Individual exercises	1	Exam	1	<b>Total</b>	<b>112</b>
Activity/Method	Semester workload												
Lectures	52												
Study	58												
Individual exercises	1												
Exam	1												
<b>Total</b>	<b>112</b>												

<b>COURSE ASSESSMENT</b>	Course evaluation is carried out in the end of the semester.
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<b>SUGGESTED BIBLIOGRAPHY</b>	<ul style="list-style-type: none"> <li>• Sanders, N. και Wood, J. (2018). Basic concepts in sustaibale entrepreneurship, Broken Hill Publishers.</li> <li>• Pietzsch, J. (2018) Introduction to Bioeconomy, Tsotras Publications.</li> <li>• Karkalakos, S. and Polemis, M. (2015). Sustainable Development, Environment and Energy, Private Publication.</li> </ul>
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