



Name	SUSTAINABILITY AND CIRCULAR ECONOMY
Component Modules	-
Subject area	SECS P/08
Academic year and semester	3rd year, 1st semester
Language of instruction	English
ECTS	8
Number of hours of lectures	48
Teachers	
Expected learning outcomes	<p>At the end of the course of study, the student will have the basic knowledge to analyze the principles of sustainability and their intersection with the circular economy and examine how these two perspectives can be integrated to promote sustainable development.</p> <p>The student will be able to understand the key concepts of the circular economy, including rethinking production and consumption patterns to reduce resource consumption and minimize waste.</p> <p>Through the notions acquired, the student will be able to: identify and evaluate the challenges and opportunities associated with the adoption of the circular economy, both at the company level and at the level of public policies; assess the environmental, social and economic impact of business decisions and public policies, using an integrated approach that considers sustainability objectives.</p> <p>At the end of the course of study, the student will have acquired the ability to carry out an autonomous assessment of the environmental and social impact of economic activities, proposing and implementing innovative solutions aimed at promoting sustainability and the circular economy.</p> <p>At the end of the course the student will be able to effectively express complex concepts related to the circular economy in order to promote awareness and understanding of sustainability.</p>
Syllabus	<p>The course is organized in six different modules:</p> <p>Module 1: Introduction to Sustainability and the Circular Economy Definitions and objectives of sustainability Fundamental concepts of circular economy Interconnections between circular economy and sustainability Guiding principles for a circular economy</p> <p>Module 2: Environmental and Social Impact Analysis Tools and methodologies for environmental impact assessment Social Impact Assessment: Concepts and Approaches Practical applications of environmental and social impact assessments</p> <p>Module 3: Circular Economy Strategies and Best Practices Successful Case Studies in Implementing the Circular Economy Business strategies for the transition to the circular economy Public policies and regulations to support the circular economy</p> <p>Module 4: Design and Implementation of Circular Solutions Design for circularity: eco-design and design for disassembly Technologies and innovations for the promotion of the circular economy Practical implementation of circular solutions in corporate and institutional settings</p> <p>Module 5: Circular Economy and Value Chains</p>



	<p>Circular Value Chains: Concepts and Applications Analysis of existing value chains and identification of circular opportunities Collaboration and partnerships for the creation of circular value chains</p> <p>Module 6: Sustainability and Circular Economy Communication Effective communication of sustainability and circular economy concepts Stakeholder engagement for sustainability</p>
Teaching and learning methods	<p>Teaching is mainly delivered through lectures. In addition to lectures, the course also involves a number of hours of interactive teaching (at least one hour for each ECTS). Attending students must apply the knowledge acquired through group work consisting of practical cases, where each group is made up of 6-7 students. Group work is scheduled according to the didactic calendar. Each work, which consists of the drafting of a managerial report, is evaluated on the basis of completeness and originality, on the ability to learn and analyze a managerial phenomenon, on the communication skills within the working group to be transferred into the final papers, as well as on the ability to learn and deal with the opinion of the members of the group. The evaluation of the practical cases developed by the student groups contributes to the final evaluation (see field 'Criteria for measuring and evaluating learning').</p>
Evaluation methods	<p>Written exam.</p> <p>For <i>attending students</i>, the written test lasts 60 minutes and consists of 6 closed-ended questions and 4 open-ended questions.</p> <p>For <i>non-attending students</i>, the written test lasts 60 minutes and consists of 11 closed-ended questions and 4 open-ended questions.</p> <p>In the multiple-choice questions, students must demonstrate the level of understanding of the concepts of circular economy and sustainability, environmental and social impact assessment, circular economy strategies and best practices, design and implementation of circular solutions, and strategies and policies for communicating information regarding sustainability and the circular economy.</p> <p>In open-ended questions, students must demonstrate, also with autonomy of judgment, an in-depth understanding of concepts and practices related to sustainability and the circular economy, according to an indispensable logical path, with clarity of exposition and properties of language, as well as the ability to apply this knowledge in real contexts and to effectively communicate their ideas and solutions.</p>
Assessment methods	<p>The assessment of learning involves the assignment of a final grade expressed in thirtieths, and calculated as the arithmetic average of the evaluations achieved in the two tests.</p> <p><u>Attending students:</u></p> <p>The final grade is awarded on the basis of the following criteria.</p> <p>Up to 6 points are awarded through 6 closed-ended questions; Up to 24 points are awarded through 4 open-ended questions.</p> <p>Each case study awards up to a maximum of 3 points. The arithmetic mean of the scores determines the score given to each student who is part of a work group.</p> <p>Honours are awarded to attending students who, on the basis of the written test and case studies, obtain a grade of at least 31 points.</p> <p><u>Non-attending students:</u></p> <p>The final grade is awarded on the basis of the following criteria: up to 11 points are awarded through 11 closed-ended questions; Up to 20 points are awarded through 4 open-ended questions.</p>



	Honours are awarded to non-attending students who, on the basis of the written test, obtain a grade of 31 points.
Prerequisites	There are no prerequisites. However, it is advisable to acquire prior knowledge of Business Administration and Management.
Teaching materials	Teaching material to support learning: lecture notes and slides by teachers. Stefanakis, A., & Nikolaou, I. (Eds.). (2021). Circular economy and sustainability: volume 1: management and policy. <i>Elsevier</i> .