

Course Unit	-	Field of study	-
	-	School	School of Technology and Management
Academic Year	2022/2023	Year of study	1
Type	Semestral	Semester	1
Workload (hours)	54	Contact hours	T - TP - PL - TC - S - E - OT - O -
		Level	ECTS credits 2.0
		Code	5063-749-1101-00-22

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Jacinta Helena Alves Lourenço Casimiro da Costa, Paula Sofia Alves do Cabo, Sílvia Freitas Moreira Nobre

#### Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Identify the principles of Sustainable Agriculture
2. Recognize the circular economy at an economic, environmental and social level.
3. Evaluate, business strategies based on the circular economy.

#### Prerequisites

Before the course unit the learner is expected to be able to:  
Not necessary

#### Course contents

Sustainable development, sustainability and green economy. The European Green Deal - EU Green Deal. Circular economy: definition and characteristics. The circular economy in the company and new business models. Eco-innovation, eco-design and integrated product policy.

#### Course contents (extended version)

1. Sustainable development
2. Circular Economy (use of Resources/Waste Disposal)
3. Sustainable Economy (sustainability criteria)
4. Circular economy in the company and new business models
5. Eco-design and integrated business policy
6. Environmental Policy in the EU: 7th and 8th Framework Programs on Environment; European Green Deal

#### Recommended reading

1. Pearce, D. W. & Turner, R K. 1990. Economics of Natural Resources and the Environment. Harvester Wheatsheaf, New York.
2. Comunidades Europeias, 7º Programa Comunitário em Matéria de Ambiente
3. Achterberg, E., Hinfeelaar, J., & Bocken, N. 2016. Master circular business models with the Value Hill. Circle Economy, Utrecht
4. Santos, M. J., Sousa, M. J., & Sebastião, P. 2022. Modelos de Negócios Sustentáveis. Lisboa, Portugal: IAPMEI, Agência para a Competitividade e Inovação, I.P
5. Gløersen, E., Furtado, M., Gorny, H., Münch, A. & Alessandrini, M., Bettinil. 2022. Implementing the European Green Deal: Handbook for Local and Regional Governments, European Committee Regions

#### Teaching and learning methods

Expository method. Analysis and discussion of practical cases proposed by the students and support for the elaboration of the individual works of the students.

#### Assessment methods

- Individual written work - (Regular, Student Worker) (Final, Supplementary, Special)

#### Language of instruction

Portuguese

#### Electronic validation

Jacinta Helena Alves Lourenço Casimiro da Costa, Paula Sofia Alves do Cabo, Sílvia Freitas Moreira Nobre	Elsa Cristina Dantas Ramalhosa	José Carlos Rufino Amaro
20-07-2023	25-07-2023	26-07-2023