

Subject card

Subject name and code	Sustainable Development – Theory and Practice, PG_00187214						
Field of study	International Business						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
Education level	Bachelor’s studies		Subject group		Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		English English		
Semester of study	6		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Transport Economics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Giuseppe Cirella, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		0.0		20.0	50
Subject objectives	This course is designed to serve as a foundation course for students in Sustainable Development. The course will introduce to students the core concepts, principles and practices of sustainable development (SD). It examines the environmental, economic, and social dimensions of SD by focusing on changing patterns of consumption, production, and distribution of resources						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[IBL3_U04] is able to apply legal regulations and standards determining business activity in domestic and international environments.		The student is able to apply legal regulations, norms, and standards related to sustainable development and corporate social responsibility in business activities conducted in domestic and international environments.		[SU6] demonstration of practical skills [SU8] observation of student's independent or team work		
	[IBL3_K04] is ready to think and act in an entrepreneurial manner in the international business environment.		The student is ready to think and act entrepreneurially in support of sustainable development, identify new business opportunities, and implement innovative solutions addressing social, economic, and environmental challenges.		[SK1] oral statement/conversation/discussion [SK6] demonstration of practical skills [SK8] observation of student's independent or team work		
	[IBL3_W06] knows and understands the economic, legal, institutional and ethical conditions determining the functioning of enterprises in the international business environment.		ENG: The student knows and understands the economic, legal, institutional, and ethical conditions determining the implementation of sustainable development principles by enterprises operating in the international business environment.		[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report		

Subject contents	1. Sustainable Development introduction - Definition of sustainable development; - Economic dimension of sustainable development; - Environmental sustainability; - Social sustainability; - Measuring sustainability, well-being, quality of life. 2. Identification of challenges of the global world & impact of human activities on the environment - Social pressure and demographic trends, urbanization processes; - Economic growth, technology and globalization; - Environmental pressure, food production; - External effects of human activities. 3. Ecological footprint and Living Planet Index (LPI) - theoretical introduction (what is an ecological footprint and LPI, how they are measured and how ecological footprint can be improved) and the discussion on the indicators for Europe and rest of the world. Group Work: how to improve our ecological footprint? 4. From Stockholm to Paris - a short history of environmental events and statements (UN Conference on Human Environment; Our Common Future, Rio Declaration, Rio+10 and Rio+20; Kyoto Protocol; EU SD Strategy; Europa 2020; Roadmap 2050; COP 21: UN climate change conference / Sustainable Innovation Forum). 5. Macroeconomic policies and the environment - Government and Civil society; - Policies, instruments and the environment; - Policy implementation. 6. Market failure: public goods and externalities - The theory of environmental externalities; - Internalizing environmental costs; - Market failures; - Shadow prices; - Public goods;
------------------	--

	- Property rights and the Coase theorem. 7. Firms and markets - corporate perspectives - Identifying and prioritizing problems; - Defining priorities for actions: diagnosing causes and finding solutions; - Valuating the costs and benefits of environmental management.		
Prerequisites and co-requisites	Basic knowledge of microeconomics and makroeconomics and international economics.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Group work	51.0%	20.0%
	Essay	51.0%	80.0%
Recommended reading	Basic literature	1. Eriksson, K.-E. and Robčrt, K.-H., 1991. From the Big Bang to Sustainable Societies. Reviews in Oncology. Vol.4, No.2, 5-14. 2. Markandya A., Harou P., Bellu L. G., Cistulli V., Environmental economics for sustainable development, Edward Elgar, Massachusetts 2002. 3. Kolstad C. D., Environmental economics, Oxford University Press, Oxford 2000. 4. Harris J. M. Environmental and Natural Resource Economics, A contemporary approach, Houghton Mifflin Co., New York 2002	

	Supplementary literature	1. Azar, C., Holmberg, J. and Lindgren, K., 1995. Socio-ecological indicators for sustainability. <i>Ecological Economics</i>, 18, 89-112. (Also in Spanish in <i>La realidad Economica</i>, Buenos Aires.) 2. Holmberg, J., Robčrt, K.-H. and Eriksson, K.-E., 1996. Socio-ecological principles for sustainability. In: Costanza, R., Oلمان, S., and Martinez-Alier, J. (ed.), <i>Getting Down to Earth Practical Applications of Ecological Economics</i>, International Society of Ecological Economics, Island Press. Washington DC. 3. Robčrt, K.-H., Daly, H., Hawken, P., and Holmberg, J. 1997. A Compass for Sustainable Development. <i>Int. J. Sustain. Dev. World Ecol</i>, 4, 79-92. 4. Andersson, K., Hogaas, E.M., Lundqvist, U., and Mattson, B. 1998. The feasibility of including sustainability in LCA for product development. <i>Journal of Cleaner Production</i>, 6, 289-298. Holmberg, J. 1998. Backcasting a natural step when operationalising sustainable development. <i>Greener Management International</i>. no. 23. 5. Robčrt, K.-H., Holmberg, J., and Von Weizsäcker, E. U., 2001. Factor X for subtle policymaking Objectives, potentials and obstacles. <i>Greener Management International - Issue 31</i>, ISSN 0966-9671, Greenleaf Publishing. Robčrt, K.-H., Schmidt-Bleek, B., Aloisi de Lardere, J., Basile, G., Jansen, L., Kuehr, R., Price Thomas, P. Suzuki, M., Hawken, P., and Wackernagel, M. 2001. Strategic sustainable development - selection, design and synergies off applied tools -. <i>The Journal of Cleaner Production</i>, 10 (2002) 197-214. 6. Ny, H., Broman, G., MacDonald, J.P., Yamamoto, R., Robčrt, K.-H. Strategic LCA- Reframing Traditional Boundaries Using Sustainability Constraints. Submitted for publication in <i>The Journal of Industrial Ecology</i>. Nov. 2003. 7. Tippet, J. The value of combining a systems view of sustainability with a participatory protocol for ecologically informed design in river basins. Centre for Urban and Regional Ecology, School of Planning and Landscape, University of Manchester, Oxford Road, Manchester, M13 9PL, UK. Received 6 January 2003; received in revised form 21 July 2003; accepted 1 December 2003. Elsevier, <i>Environmental Modelling & Software</i> 20 (2005) 119-139. 8. Hallstedt, S., Ny, H., Robčrt, K.-H. and Broman, G. 2010. An approach to assessing sustainability integration in strategic decision systems, <i>Journal of Cleaner Production</i> 18: 703-712 9. Missimer, M., Robčrt, K.-H., Broman, G., Sverdrup, H. 2010. Exploring the possibility of a systematic and generic approach to social sustainability. <i>Journal of Cleaner Production</i> 18, 1107-1112.
	eResources addresses	

Example issues/ example questions/ tasks being completed	Group work: how to improve our ecological footprint?
Work placement	Not applicable

Document generated electronically. Does not require a seal or signature.