Title	Sustainable Development
Level	7
Semester	2
Person responsible for the module	Yurii Derevianko Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University yurii.derevianko@econ.sumdu.edu.ua
Lecturer	Yurii Derevianko
Language	English
Relation to curriculum	Compulsory
Credit point	5 credits ECTS
Workload	150 hours: contact hours – 32 hrs. (lectures – 16 hrs.; practical classes – 16 hrs.), individual work – 118 hrs.
Type teaching, contact hours	The module will be delivered in the form of lectures and practical classes. Students will be working in small group during practical classes and make oral presentations, written tasks and testing. Lectures – 16 hrs.; practical classes – 16 hrs.
Recommended prerequisites	Existing competences in principles of economics
Aims	This course will give the students the key concepts to discuss sustainable development in general, for company management and its three pillars: the social, the environmental, and the economic. The course aims: - to enable students to approach managerial decision problems using sustainable development reasoning; - to make managerial decisions in the conditions of company resources scarcity based on the modern methods of economic theory and sustainable development; - to recognize the key concepts on sustainable development, such as intra- and inter-generational equity, economic, social and environmental sustainability; strong and weak sustainability, natural capitalism, steady state and green economy.
Module objectives / Learning outcomes	On completion of this module the student should be able to: **LO.1.** Establish relations between elements of the organization management system; **LO.2.** Justify personal point of view in a discussion based on ethical considerations and socially responsible; **LO.3.** Analyse and structure the organization's problems, to make managerial decisions and to ensure the conditions for their implementation; **LO.4.** Identify and critically analyse the social, environmental, and economic dimensions of sustainability in terms of organization management.
Content	The course intends to familiarize students with the social, ecological and economic aspects of sustainable development in general and for company management. It will add to understand of the principles, mechanisms and methods of sustainable development. The key concepts covered in course are: - prerequisites of sustainable development, - ecosystemic dimension of sustainable development, - economic dimension of sustainable development, - social dimension of sustainable development, - green economy,

<table>
<tr><td></td><td colspan="3">- 3rd and 4th industrial revolutions,
- sustainable development policies,
- water management,
- waste management,
- energy efficiency and renewables,
- sustainable urban development.</td></tr>
<tr><td rowspan="5">Assessment tasks

Type of assessment tasks
Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)</td><td>ACTIVITY</td><td>FURTHER DETAILS</td><td>%</td></tr>
<tr><td>Examinations
Credit</td><td></td><td>
40</td></tr>
<tr><td>Written assessment tasks
Test, essay, report, dissertation, obligatory home assignment, portfolio, project output</td><td>
short answer tests
essay</td><td>
20
10</td></tr>
<tr><td>Oral presentations
Oral assessment and presentation, group work, practical skills assessment</td><td>
report
group work</td><td>
10
10</td></tr>
<tr><td>Other
Active participation in lectures, seminars, practical classes, labs, individual classes</td><td>
activity in lectures
activity in seminars</td><td>
5
5</td></tr>
<tr><td>Assessment tasks</td><td colspan="3">Short answer test on the main topics (20% – LO.1, LO.2)
An essay on 3rd and 4th industrial revolutions to analyse and structure the organization's problems in this case, to make managerial decisions and to ensure the conditions for their implementation (10% – LO.3)
An oral report to demonstrate the ability to analyse and structure the aspects of green economy for firms (10% – LO.2, LO.4)
A group work on water and waste management, energy efficiency and renewables (10% – LO.3, LO.4)</td></tr>
<tr><td>Reading list</td><td colspan="3">Hens, L., & Melnyk, L. (Eds.). (2008). Social and economic potential of sustainable development. Sumy: University Book.
Wright, R. T., & Boorse, D. F. (2017). Environmental Science: Toward a Sustainable Future. Boston: Pearson.
Balisacan, A. M., Chakravorty, U., & Ravago, M. V. (Eds.). (2015). Sustainable economic development: Resources, environment, and institutions. Kidlington, Oxford: Elsevier.
Christodoulou, E. (2017). Textbooks for sustainable development a guide to embedding. New Delhi: Unesco MGIEP.
Atkinson, G., Dietz, S., & Neumayer, E. (Eds.). (2009). Handbook of sustainable development. Cheltenham: Edward Elgar.
Clini, C., Musu, I., & Gullino, M. L. (Eds.). (2008). Sustainable development and environmental management: Experiences and case studies. Dordrecht, the Netherlands: Springer.
Brebbia, C. A., Conti, M. E., & Tiezzi, E. (Eds.). (2007). Management of natural resources, sustainable development and ecological hazards. Southampton: WIT Press.
Barrow, C. J. (2007). Environmental management for sustainable development (2nd ed.). London: Routledge.</td></tr>
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