



**SUMY  
STATE  
UNIVERSITY**

## **Programme Handbook 2018**

---

**Oleg Balatskyi Academic and Research Institute of Finance,  
Economics and Management**

**Department of Economics,  
Entrepreneurship and Business Administration**

**Validated by Sumy State University, Sumy, Ukraine**

# **Environmental and Natural Resource Economics**

---

**Master's Programme**



## CONTENT

<b>PART 1. PROGRAMME SPECIFICATION</b> .....	2
<b>PART 2. CURRICULUM MAP</b> .....	9
<b>PART 3. MODULE NARRATIVES</b> .....	10



## PART 1. PROGRAMME SPECIFICATION

General information	
<b>Full official name of a higher education institution</b>	Sumy State University
<b>Full name of a structural unit</b>	Oleg Balatskyi Academic and Research Institute of Finance, Economics and Management Department of Economics, Entrepreneurship and Business Administration
<b>Higher education degree and title of qualification</b>	Master in Economy
<b>Official title of the study programme</b>	Environmental and Natural Resource Economics
<b>Type of degree award and credit value</b>	Master's Degree, Single Diploma, 90 ECTS credits
<b>Availability of programme accreditation</b>	Certificate of Ministry of Education and Science of Ukraine НД №1983409. Valid until 01.07.2026
<b>Cycle/level of higher education</b>	National Qualifications Framework of Ukraine – the 7 <sup>th</sup> level, QF-LLL – the 7 <sup>th</sup> level, FQ-EHEA – the second cycle
<b>Preconditions</b>	Bachelor's, Specialist or Master's degree
<b>Language(s) of instruction</b>	Ukrainian, English
<b>Time frames of the study programme</b>	Till 01.07.2026
<b>Internet address with the permanent location of the study programme description</b>	<a href="http://sumdu.edu.ua/int/en/study/ma-programmes.html">http://sumdu.edu.ua/int/en/study/ma-programmes.html</a>
Aims of the study programme	
<p>The program is designed according to the university mission. It is aimed at:</p> <ul style="list-style-type: none"> <li>- gaining theoretical and practical knowledge, skills, competencies, sufficient to solve the complex economic problems in the environmental management, resource conservation, environmental protection;</li> <li>- forming students' critical thinking and their ability to continue education;</li> <li>- training qualified specialists capable of identifying and solving complex tasks and practical problems in the field of environmental economics green business on the basis of mastering the system of competencies;</li> </ul> <p>training and implementation of solutions for improving the ecological and economic efficiency in various fields of economic complex, stimulating investments in green innovative activities.</p>	
Description of the study programme	
<b>Subject area of the study programme</b>	Social and behavioural sciences: economics

<b>Orientation of the study programme</b>	Educational-professional. Emphasis on the ability to solve complex tasks and practical problems in the field of environmental economics and green business.
<b>The main focus of the study programme and its majors</b>	The program forms fundamental knowledge, skills and abilities in the developing and administration or green business, in the recourse saving activities taking into account the modern trends in economic knowledge environmental economics (theories, methods, applied economic and managerial mechanisms). Keywords: sustainable development, environmental economics, resource economics, green innovation, environmental management.
<b>Peculiarities of the study programme</b>	Possibility of internal and international academic mobility; fully conducted in English, dual training program (internship for up to 5 months in leading domestic and foreign companies).
<b>Graduate ability for employment and further education</b>	
<b>Employability</b>	<ul style="list-style-type: none"> <li>- Director (head, other manager) of firms;</li> <li>- Projects and programs manager in the field of environmental economics;</li> <li>- Director of a small industrial firm;</li> <li>- Director of a small trading firm</li> <li>- Economist</li> <li>- Logistics Economist</li> <li>- Planning Economist</li> <li>- Economic Advisor</li> <li>- Specialist in Economic Ecological Systems Modelling</li> <li>- Specialist in the efficiency of entrepreneurship</li> <li>- Environmental Management Specialist</li> </ul>
<b>Further education</b>	Possibility to continue economic education on the third (Doctor of Philosophy) level of higher education, as well as to improve qualification and receive additional postgraduate education.
<b>Teaching and assessment</b>	
<b>Teaching and learning</b>	Student-centred learning, problem-oriented learning, e-learning in the OCW system of Sumy State University, self-education. Teaching is conducted in the form of: lectures, multimedia presentations, interactive lectures, tutorials, seminars, practical trainings, situational games. Student independent work with the possibility of consulting with a teacher, e-learning for some educational components, individual classes, group project work and dual training (17-weeks practice-oriented training on the bases of practice) are also envisaged.
<b>Assessment</b>	Student-centred learning, problem-oriented learning, e-learning in the OCW system of Sumy State University, self-education. Teaching is conducted in the form of: lectures, multimedia presentations, interactive lectures, tutorials, seminars, practical trainings, situational games. Student

	independent work with the possibility of consulting with a teacher, e-learning for some educational components, individual classes, group project work and dual training (17-weeks practice-oriented training on the bases of practice) are also envisaged.
<b>Programme competencies</b>	
<b>Integral competence</b>	Ability to solve complex tasks and problems in the sphere of environmental economics during studying, by providing research and/or innovations in terms of uncertainty of conditions and requirements.
<b>General competencies</b>	<p><b>GC.1.</b> Ability to think critically and generate new ideas</p> <p><b>GC.2.</b> Ability to abstract thinking, analysis, synthesis, and the establishment of interconnections between phenomena and processes.</p> <p><b>GC.3.</b> Ability to demonstrate leadership skills, motivate people, work in a team.</p> <p><b>GC.4.</b> Ability to conduct professional communication.</p> <p><b>GC.5.</b> Ability to innovative activity.</p> <p><b>GC.6.</b> Ability to design and manage projects.</p> <p><b>GC.7.</b> The ability to consciously and socially responsible act based on ethical considerations and principles of academic integrity.</p> <p><b>GC.8.</b> Ability to conduct research and to present results</p>
<b>Subject specific competences</b>	<p><b>SC.1.</b> Ability to apply scientific, analytical, methodical tools for managing economic activity.</p> <p><b>SC.2.</b> Ability to deliver professional economic discourse in a foreign language.</p> <p><b>SC.3.</b> Ability to collect, analyse and process statistical data, scientific and analytical materials that are necessary for solving complex economic problems.</p> <p><b>SC.4.</b> Ability to use modern information technologies, economic and mathematical methods and models for the study of economic and social processes.</p> <p><b>SC.5.</b> Ability to understand the key trends of socio-economic and demographic development.</p> <p><b>SC.6.</b> Ability to formulate professional tasks in the field of economics, choose the appropriate directions and appropriate methods for their solution, taking into account available resources.</p> <p><b>SC.7.</b> Ability to justify management decisions regarding efficient development of economic agents.</p> <p><b>SC.8.</b> Ability to assess possible risks, socio-economic consequences of managerial decisions.</p> <p><b>SC.9.</b> Ability to apply scientific approach to the formation and substantiation of effective strategies in economic activity.</p>

	<p><b>SC.10.</b> Ability to develop scenarios and strategies for the development of socio-economic systems.</p> <p><b>SC.11.</b> Ability to plan and develop economy projects, provide information, methodological, material, financial and human resources.</p> <p><b>SC.12.</b> Ability to assess the ecological and economic efficiency of economic activity and the implementation of innovative approaches to ensure ecologically oriented business activities.</p> <p><b>SC.13.</b> Ability to use modern economic tools in the sphere of resource conservation and environmental management.</p>
<b>Programme learning outcomes</b>	
<p><b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components.</p> <p><b>LO.2.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team.</p> <p><b>LO.3.</b> Demonstrate communication skills in professional and academic circles in native and foreign languages.</p> <p><b>LO.4.</b> Conduct research, generate new ideas and conduct innovation activities.</p> <p><b>LO.5.</b> Justify and manage complex projects or actions.</p> <p><b>LO.6.</b> Demonstrate the high social responsibility and respect for the principles of academic integrity.</p> <p><b>LO.7.</b> Evaluate the results of your work and be responsible for personal professional development.</p> <p><b>LO.8.</b> Select and use the necessary scientific, methodological and analytical tools for managing economic activity.</p> <p><b>LO.9.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems.</p> <p><b>LO.10.</b> Justify decisions under uncertainty, requiring new approaches and economic-mathematical modelling and forecasting.</p> <p><b>LO.11.</b> Apply modern information technologies in socio-economic research.</p> <p><b>LO.12.</b> Formulate new hypotheses and scientific tasks in the field of economics, choose the appropriate directions and appropriate methods for their solution, taking into account available resources.</p> <p><b>LO.13.</b> Substantiate managerial decisions on effective development of business entities.</p> <p><b>LO.14.</b> Evaluate possible risks, socio-economic implications of managerial decisions.</p> <p><b>LO.15.</b> Apply scientific approaches to the formation and substantiation of effective strategies in economic activity.</p> <p><b>LO.16.</b> Develop scenarios and strategies for the development of socio-economic systems.</p> <p><b>LO.17.</b> Organize the development and implementation of projects in the field of economics, taking into account informational, methodological, material, financial and human resources provision.</p> <p><b>LO.18.</b> Demonstrate the high environmental awareness and responsibility.</p> <p><b>LO.19.</b> Apply the principles of business ethics when organizing entrepreneurship and "green" entrepreneurship.</p> <p><b>LO.20.</b> Apply modern innovative approaches to optimize resource conservation and nature management.</p>	

<p><b>LO.21.</b> Apply modern economic tools for resource conservation and environmental management for different levels of management.</p> <p><b>LO.22.</b> Apply modern approaches and methods of motivation and stimulation of ecologically safe activity of enterprises, introduction of ecological innovations.</p>	
<p><b>Resources available for the study programme implementation</b></p>	
<p><b>Human resources</b></p>	<p>The main structure of the teaching staff of the educational program consists of the teaching staff of the Department of Economics, Entrepreneurship and Business Administration of the Oleg Balatskyi Academic and Research Institute of Finance, Economics and Management. Also, the teaching staff of other departments of the Oleg Balatskyi Academic and Research Institute of Finance, Economics and Management is involved in the teaching of certain courses in accordance with their competence and experience.</p> <p>Lecturers taught within the framework of the program are active and recognized scholars who publish their papers in domestic and foreign journals and books. They have the appropriate professional competence and experience in the field of teaching, research and pedagogical activities, they participate in international projects, grants and international internship.</p> <p>The practice-oriented type of the educational program involves the broad participation of practitioners from the business relevant to the direction of the program. In particular, executives and managers from different regional companies in various fields of economy, such as: JSC «Technologia», PC «Specobladnannia», JSC «PrivatBank», Kusum Pharm LLC, Keramey LLC, Avis-Ukraine LLC and others.</p> <p>The head of the project team and the teaching staff that provides the implementation of the program meets the requirements defined by the Licensing conditions for the educational activities of educational institutions.</p>
<p><b>Material and technical support</b></p>	<p>The educational process takes place in specialized educational rooms equipped with audio-visual equipment and necessary technical means. The classrooms and logistical support of all departments are involved in providing the educational process due to the program.</p> <p>Training sessions are held in 24 multimedia classrooms, 6 computer classes equipped with licensed operating systems from Microsoft and software packages from Microsoft, Autodesk, Intel, Delcam, Adobe, Abbyy, Cisco, AnSys, Solid Works, Symantec, NetClass Pro, MikTeX, Profix, etc. Modern information and communication technologies are used: distance education, information system “Testing” and e-learning, information and library system, SSU web system.</p>



	<p>The educational process involves the material and technical base of such enterprises as Guala Closures Ukraine LLC, JSC «Technologia», PC «Specobladnannia», JSC «PrivatBank», Keramey LLC, Avis-Ukraine LLC, etc., that allows to integrate the training of students with scientific and economic activities of companies.</p>
<p><b>Information, learning and methodic provisions</b></p>	<p>Students and teachers can use the library and information corps, interuniversity scientific library, libraries and library rooms at the educational and scientific structural subdivisions of the university. There are also virtual electronic reading rooms. Information resources of SSU Library for the educational program are formed in accordance with the subject area and current trends of scientific research in this field. Students can access printed publications in different languages, including monographs, tutorials, textbooks, dictionaries, etc. In doing so, they can browse the literature using traditional library search tools or use Internet access and databases (Electronic Library and Electronic Catalogue). Students can use Ukrainian Research and Academic Network URAN, Electronic library of Ukraine ELibUkr, Scopus, Web of Science and The Journal of Solid Waste Technology and Management. Access to all library databases is provided on the University's internal network.</p> <p>Students also use methodological materials prepared by teachers: textbooks, presentations for lectures, lecture notes, instructions for practical classes, labs, seminar, individual tasks, etc. Methodical materials can be provided both in printed and electronic form.</p> <p>The e-learning system provides access to Ukrainian and English language education materials, 150 virtual simulators and interactive demonstrations, 60 test tasks, and 400 other e-learning teaching materials. OCW platform of SSU has been developed to remote access to teaching materials (the platform allows you to combine materials from distance courses, Lectur`ED with the possibility of teamwork in electronic learning resources, materials of the library electronic catalogue, repository and links to external educational resources).</p> <p>The methodical materials are updated periodically and adapted to the goals of the educational program.</p>
<p><b>Academic mobility</b></p>	
<p><b>Internal academic mobility</b></p>	<p>Based on bilateral agreements between SSU and more than 20 Ukrainian universities. The main are the following: The National University of Ostroh Academy (agreement dated 01/03/2016); Odessa I. I. Mechnikov National University (agreement dated 20/10/2015); Poltava National Technical</p>



	University named after Yuri Kondratyuk (agreement dated 22/11/2015), etc.
<b>International academic mobility</b>	Based on bilateral agreements between SSU and higher education institutions – foreign partners: University of Foggia (Italy, agreement dated 04/09/2015); University of Ecology and Management in Warsaw (Poland, agreement dated 28/11/2014 (framework) and dated 03/09/2015 (Erasmus+)); University of Tartu (Estonia, agreement dated 05/09/2016); Aristotle University of Thessaloniki (Greece, agreement dated 27/09/2016); University of Cyprus (Cyprus, agreement dated 10/01/2017); Alexandru Ioan Cuza University of Iasi (Romania, agreement dated 16/01/2015).

**PART 2. CURRICULUM MAP**

Course title	Number of credits ECTS	Semester
<b>Compulsory part</b>		
Foreign Language for Professional Purposes	5	1
<a href="#">Economics of Development</a>	5	1
<a href="#">Economics of Firm</a>	5	1
<a href="#">Economy of Natural Resources</a>	5	1
<a href="#">Environmental economics</a>	5	1
<a href="#">Social and Solidarity Economics</a>	5	1
<a href="#">Decision Making</a>	5	2
<a href="#">Economic and ecological analysis</a>	5	2
<a href="#">Ecological Management and Audit</a>	5	2
<a href="#">Human Resource Management</a>	5	2
<a href="#">Modeling of the emergent economy</a>	5	2
Prethesis Practice	5	3
Master Thesis	10	3
<b>Elective part</b>		
<a href="#">Renewable resources: Project Management</a>	5	2
<a href="#">Potential of economic system development</a>	5	3
<a href="#">Ecological Fundraising</a>	5	3
<a href="#">Strategic Firm Operation</a>	5	3
<b>Total</b>	<b>90</b>	

## PART 3. MODULE NARRATIVES

<b>Title</b>	<b>Economics of Development</b>
<b>Level</b>	7
<b>Semester</b>	1
<b>Person responsible for the module</b>	Yurii Derevianko Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University yurii.derevianko@econ.sumdu.edu.ua
<b>Lecturer</b>	Yurii Derevianko
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 16 hrs. (lectures – 12 hrs.; practical classes – 4 hrs.), individual work – 134 hrs.
<b>Type teaching, contact hours</b>	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 – 12 hrs.; practical classes – 4 hrs.
<b>Recommended prerequisites</b>	Existing competences in principles of economics
<b>Aims</b>	This course will give the students the key concepts to discuss development in general, formation of knowledge, skills and vision needed to manage development processes of different socio-economic systems. The aims of this course are to: <ul style="list-style-type: none"> <li>• discuss key issues in the process of economic development</li> <li>• enhance students' ability in applying economic models to study development problems</li> <li>• discuss the relevant empirical literature with an eye toward forming policy recommendations.</li> </ul>
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <p><b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components;</p> <p><b>LO.2.</b> Justify and manage complex projects or actions;</p> <p><b>LO.3.</b> Formulate new hypotheses and scientific tasks in the field of economics, choose the appropriate directions and appropriate methods for their solution, taking into account available resources;</p> <p><b>LO.4.</b> Develop scenarios and strategies for the development of socio-economic systems.</p>
<b>Content</b>	It is assumed that after studying the course students will know the basic laws of the formation and systems development, be able to justify the adoption of decisions on managing the processes of economic development, have the vision necessary for setting appropriate goals and selecting the necessary facilities. The key concepts covered in course are:

Title	Economics of Development		
	<ul style="list-style-type: none"> <li>- the concept of a system and development</li> <li>- mechanisms and characteristics of system's sustainability</li> <li>- factors and mechanisms of systems' evolution</li> <li>- energy basics of development</li> <li>- managing firms' development factors</li> <li>- distribution and human resources</li> <li>- macro- and microeconomic policies for development</li> <li>- measuring of economic development</li> <li>- modern problems of economic development.</li> </ul>		
<b>Assessment tasks</b>	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
<b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>Examinations</b>		
	Credit		40
	<b>Written assessment tasks</b>		
	Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	short answer tests essay	20 10
	<b>Oral presentations</b>		
Oral assessment and presentation, group work, practical skills assessment	report group work	10 10	
<b>Other</b>			
Active participation in lectures, seminars, practical classes, labs, individual classes	activity in lectures activity in seminars	5 5	
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (20% – LO.1, LO.2) An <b>essay</b> on mechanisms and characteristics of system's sustainability, to formulate hypotheses and scientific tasks in the field of economics of development (10% – LO.3) An oral <b>report</b> to demonstrate the ability to develop scenarios and strategies for the development of socio-economic systems (10% – LO.2, LO.4) A <b>group work</b> on problems of economic development (10% – LO.1, LO.3)		
<b>Reading list</b>	Hens, L., & Melnyk, L. (Eds.). (2008). <i>Social and economic potential of sustainable development</i> . Sumy: University Book. Perkins, D. H., Radelet, S., Lindauer, D. L., & Block, S. A. (2013). <i>Economics of development</i> (7 <sup>th</sup> ed.). New York: W. W. Norton & Company. Todaro, M. P., & Smith, S. C. (2015). <i>Economic development</i> (12 <sup>th</sup> ed.). Harlow: Pearson Education Limited. Jhingan, M. L. (2011). <i>The Economics of Development and Planning</i> . Delhi: Vrinda Publications. Lynn, S. R. (2003). <i>Economic development: Theory and practice for a divided world</i> . Upper Saddle River, NJ: Prentice Hall.		

<b>Title</b>	<b>Economics of Firm</b>
<b>Level</b>	7
<b>Semester</b>	1
<b>Person responsible for the module</b>	Iryna Dehtyarova Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Iryna Dehtyarova
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 20 hrs. (lectures – 12 hrs.; practical classes – 8 hrs.), independent study – 130 hrs., individual assignment
<b>Type teaching, contact hours</b>	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 and testing. Lectures – 12 hrs.; practical classes – 8 hrs.
<b>Recommended prerequisites</b>	Existing competences in Economics of Enterprise, Economic Analysis, Business Diagnostics
<b>Aims</b>	The course aims at: <ul style="list-style-type: none"> <li>- defining and understanding the concept of firm, assets, costs, prices, economic efficiency;</li> <li>- identifying strategic resources for firms in the competitive environment;</li> <li>- evaluating firm's economic efficiency;</li> <li>- reviewing, evaluating and controlling firm's economic efficiency</li> </ul>
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <p><b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components.</p> <p><b>LO.2.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team.</p> <p><b>LO.3.</b> Conduct research, generate new ideas and conduct innovation activities.</p> <p><b>LO.4.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems.</p>
<b>Content</b>	The module selectively covers basic resource factors that provide firm's competitiveness and efficiency. It explains basic types of companies. It analysis current and non-current assets, their efficient use. It describes how costing is formed. Emphasis is placed on basic indicators that characterise firm's efficiency, costs, economies of scale. The course introduces general idea about CVP analysis and its role in decision making for short and long run. It explains how marginal analysis adds to grounding decisions about the development of the firm. It discusses pricing policy of firms.

Title	Economics of Firm		
<b>Assessment tasks</b>	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
<b>Type of assessment tasks</b>	<b>Examinations</b>		
Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	Written exam		40
	<b>Written assessment tasks</b>		
Test, essay, report, portfolio, project output, individual assignment	short answer tests	essay	10
	individual assignment	individual assignment	10
	<b>Oral presentations</b>		
Oral assessment and presentation, group work, practical skills assessment	report	group work	10
			10
	<b>Other</b>		
Active participation in lectures, seminars, practical classes, labs, individual classes	participation in lectures	participation in seminars	5
			5
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (20% – LO.1, LO.2)		
	An <b>essay</b> on decisions of firms in the short and long run (10% – LO.3).		
	An oral <b>report</b> to demonstrate the ability to provide marginal and CVP analysis (10% – LO.4)		
	A <b>group work</b> on basic factors of production (10% – LO.4)		
<b>Reading list</b>	Gryshchenko, V. F. & Gryshchenko I. V. (2015). <i>Economics of Business</i> : notes. Sumy: Sumy State University		
	<i>The Economic Theory of Costs. Foundations and New Directions</i> (2017) Eds McCaffrey, M. London & New York: Routledge		
	Yevdokimov, Yu. (2012). <i>Practical Guide to Contemporary Economics</i> . Bookboon.		
	Rode, S. (2013). <i>Modern Microeconomics</i> . Bookboon.		
	McConnell, C. Brue, S. & Flynn, S. (2011). <i>Microeconomics</i> , 19th edition, McGraw-Hill.		
	Friedman, M. (2008). <i>Price theory</i> . New Brunswick, N.J: Aldine Transaction		
	Skousen, Ch. J. & Walther, L.M. (2009). <i>Current Assets</i> . Bookboon.		
	Peterson, R. H. (2002). <i>Accounting for Fixed Assets</i> . Second Edition. New York:John Wiley & Sons		
	<i>Economic efficiency of the organizational decisions of the firm</i> . 1st edition reprint. (2016)		

<b>Title</b>	<b>Economy of Natural Resources</b>
<b>Level</b>	7
<b>Semester</b>	1
<b>Person responsible for the module</b>	Olena Chygryn Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Olena Chygryn
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 22 hrs. (lectures – 12 hrs.; practical classes – 10 hrs.), independent study – 128 hrs., individual assignment (course paper)
<b>Type teaching, contact hours</b>	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 and testing. Lectures – 12 hrs.; practical classes – 10 hrs.
<b>Recommended prerequisites</b>	Existing competences in Economics Theory, Economics of Firm, Economic Analysis, Environmental Economics
<b>Aims</b>	The course aims at: <ul style="list-style-type: none"> <li>- studying the economic aspects of the interaction between society and nature;</li> <li>- defining the theoretical concept of natural resources and their economic evaluation;</li> <li>- substantiating the economic value of natural resources;</li> <li>- identifying of the features of accumulation of incomes when exploiting natural resources;</li> <li>- defining the main issues of ownership of resources.</li> </ul>
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <p><b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components.</p> <p><b>LO.2.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team.</p> <p><b>LO.3.</b> Apply modern economic tools for resource conservation and environmental management for different levels of management.</p> <p><b>LO.4.</b> Apply modern approaches and methods of motivation and stimulation of ecologically safe activity of enterprises, introduction of ecological innovations</p>
<b>Content</b>	The module covers basic approaches to determine natural resource valuation. It defines the main mechanisms of accumulating income in the exploitation of natural resources. The course introduces the topical issues of ownership and value of natural wealth in transition. The student will study the role of natural resources in terms of social development. Fundamental issues of rent, market assessment, cost-based approach, opportunity cost and the total economic value of natural resources will be considered.



Title	Economy of Natural Resources		
<b>Assessment tasks</b>	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
<b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>Examinations</b>		
	Written Exam		40
	<b>Written assessment tasks</b>		
	Test, essay, report, portfolio	short answer tests	10
	<b>Oral presentations</b>		
Oral assessment and presentation, group work, practical skills assessment	report	10	
	group work	10	
<b>Other</b>			
Active working on lectures and practical classes, individual classes, group work, participation in scientific conferences and contests, publishing theses and articles	Active working on lectures, seminars, group work	10	
		10	
		10	
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (10% – LO.1, LO.2)		
	A oral <b>report</b> about main the mechanisms, approaches and tendencies in resource saving activity (10% – LO.3)		
	A <b>group work</b> on study cases (10% – LO.4)		
	<b>Course paper</b> on analysing cash flows, profit and investment management (100% – LO.2, LO.3, LO.4)		
<b>Reading list</b>	Halvorsen, R., Layton, D. (2015). <i>Handbook on the Economics of Natural Resources</i> , University of Washington, Seattle, US		
	Perman, R., Ma, Y., McGilvray, J., Common, M. (2003). <i>Natural resource and environmental economics</i> . Pearson Education Limited.USA.		
	Conrad, M.J. (2010). <i>Resource Economics</i> . Cornell University, New York. USA.		
	Aswathanarayana, U. (2012). <i>Natural Resources - Technology, Economics &amp; Policy</i> . Taylor & Francis Group. London,UK.		
	Common, M., Stagl, S. (2005) <i>Ecological Economics</i> . Cambridge University Press. USA		

<b>Title</b>	<b>Environmental economics</b>
<b>Level</b>	7
<b>Semester</b>	1
<b>Person responsible for the module</b>	Olena Shkarupa Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Olena Shkarupa
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 20 hrs. (lectures – 12 hrs.; practical classes – 8 hrs.), individual work – 130 hrs.
<b>Type teaching, contact hours</b>	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 – 12 hrs.; practical classes – 8 hrs.
<b>Recommended prerequisites</b>	Existing competences in Principles of Economics, Ecology, Introduction to Microeconomics, Introduction to Macroeconomics
<b>Aims</b>	The course aims: - to study the socio-economic principles of environmental economics; - to study the theoretical and practical issues of environmental economics for solving modern problems, using of economic instruments; - to enable students to approach decision environmental problems using economic reasoning; - to present topics of social responsibility of environmental practice using an analytical approach and using equations and numerical insight.
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components. <b>LO.2.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems; <b>LO.3.</b> Apply modern innovative approaches to optimize resource conservation and nature management; <b>LO.4.</b> Demonstrate the ability to make managerial decisions based on modern methods of economic theory.
<b>Content</b>	Environmental economics develops and applies economic theory and methods to economic and administrative decision-making. Course builds on the questions about the origins of the environmental crisis associated with the causes and the search for ways to overcome it by means of improving scientific and managerial decisions. The key concepts covered in course are: - basic economic relations in the system “environment and economy” - socio-economic development and nature using, - valuing the environment: concept and methods, - estimating and forecasting demand, - environmental cost analysis,

Title	Environmental economics		
	<ul style="list-style-type: none"> <li>- environmental standards analysis,</li> <li>- benefit-cost analysis,</li> <li>- economic growth and the environment,</li> <li>- government policies for environmental protection,</li> <li>- sustainability.</li> </ul>		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
	<b>Examinations</b> Exam		40
	<b>Written assessment tasks</b> Test, Course Thesis	short answer tests Course Thesis	10 25
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	report group work	5 10
	<b>Other</b> Active participation in lectures, seminars, practical classes, individual classes	participation in lectures participation in seminars	5 5
<b>Assessment tasks</b>	<p><b>Short answer test</b> on the main topics (20% – LO.1)            A Course Thesis on environmental economics and based on the methodical pointing to seminars to demonstrate knowledge of different skills on environmental economics decision-making (20% – LO.2, LO.3)            An oral <b>report</b> to demonstrate the ability to analyse the problems of environmental economics on national and regional level (10% – LO.4)            A <b>group work</b> on the theory of economic growth and the environment (10% – LO.4)</p>		
<b>Reading list</b>	<p>H. Wiesmeth (2012). <i>Environmental economics. Theory and Policy in Equilibrium</i>. London New York: Springer.</p> <p>Sandmo, Agnar. (2015). <i>The Early History of Environmental Economics</i>. Review of Environmental Economics and Policy 1-21.</p> <p>R. Perman, Y. Ma, M. Common, D. Maddison, J. McGilvray (2012) <i>Natural Resource and Environmental Economics</i>. (4<sup>th</sup> ed.). Pearson Education Limited.</p> <p>T. Tietenberg, L. Lewis (2012) <i>Environmental &amp; Natural Resource Economics</i>. (9<sup>th</sup> ed.). Boston: Pearson.</p> <p>Goulder, Lawrence H. (2013). <i>Fiscal Interactions and Climate Change Policy</i>. Energy Economics 40, Supplement 1, December.</p> <p>D. Begg, G. Vernasca, S. Fischer, R. Dornbusch (2014) <i>Economics</i>. McGraw-Hill.</p> <p>R. Costanza, J.H. Cumberland, H. Daly, R. Goodland. (2015). <i>An Introduction to Ecological Economics</i>, (2<sup>th</sup> ed.). CRC Press.</p>		

Title	Social and Solidarity Economics		
Level	7		
Semester	1		
Person responsible for the module	Iryna Sotnyk Professor, Doctor of Economics, (Dr. Sc.) Department of Economics, Entrepreneurship and Business Administration, Sumy State University		
Lecturer	Iryna Sotnyk		
Language	English		
Relation to curriculum	Compulsory		
Credit point	5 credits ECTS		
Workload	150 hours: contact hours – 16 hrs. (lectures – 12 hrs.; practical classes – 4 hrs.), individual work – 134 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 – 12 hrs.; practical classes – 4 hrs.		
Recommended prerequisites	Existing competences in Economics, Theory of Sustainable Development		
Aims	To provide students with the theoretical knowledge and practical skills of creating and development different forms of social and solidarity economy in the national and global scale.		
Module objectives / Learning outcomes	On completion of this module the student should be able to: <b>LO.1.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team. <b>LO.2.</b> Demonstrate the high social responsibility and respect for the principles of academic integrity. <b>LO.3.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems. <b>LO.4.</b> Develop scenarios and strategies for the development of socio-economic systems. <b>LO.5</b> Apply modern approaches and methods of motivation and stimulation of ecologically safe activity of enterprises, introduction of ecological innovations.		
Content	Course “Social and Solidarity Economics” studies the theory and methodology of development of social and solidarity enterprises as well as interaction and influence between concepts of social and solidarity economics and sustainable development. The focus of the discipline is alternative forms of entrepreneurship, production and consumption within the frameworks of social and solidarity economy. Public policy, governance and management of social and solidarity economy organizations and solidarity finance are considered too.		
Assessment tasks	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
Type of assessment tasks	<b>Examinations</b> Credit with mark		
	<b>Written assessment tasks</b> Summative assessment tasks	modular controls project	60 10

Title	Social and Solidarity Economics		
which lead to the award of credit or which are required for progression (expressed as a %)	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	presentation	10
	<b>Other</b> Attending and active participation in lectures and practical classes, group work, participation in scientific conferences and contests, publishing theses and articles	attending lecturers and practical classes, group work active participation in lectures and practical classes, publishing theses and articles	10
			10
<b>Assessment tasks</b>	<p><b>Modular controls</b> on the main topics of the course (60% – LO.1, LO.2, LO.3, LO.4)</p> <p>A business <b>project</b> on creation and development of a social enterprise to demonstrate knowledge and skills of operating alternative forms of entrepreneurship in social and solidarity economy with regard to public policy and finance (10% – LO.1, LO.3, LO.4, LO.5)</p> <p>An oral <b>presentation</b> to demonstrate the ability to analyse and structure the problems of development of social and solidarity economy organisations (10% – LO.1, LO.3, LO.5)</p> <p><b>Group work</b> on study cases (10% – LO.1, LO.3, LO.4)</p> <p><b>Participation in discussions at lectures and practical classes, publishing theses and articles</b> which cover the main issues of the course (10% – LO.3, LO.4, LO.5)</p>		
<b>Reading list</b>	<p>The Reader 2011: Social and Solidarity Economy: Our Common Road towards Decent Work (2011). R. Di Meglio, C. Diop, M. Gasser (Eds.). Retrieved from <a href="http://socialeconomy.itcilo.org/en/2011-edition">http://socialeconomy.itcilo.org/en/2011-edition</a>.</p> <p>The social economy in the European Union (2012). Summary of the Report drawn up for the European Economic and Social Committee by the International Centre of Research and Information on the Public, Social and Cooperative Economy (CIRIEC). Retrieved from <a href="http://www.eesc.europa.eu/resources/docs/qe-31-12-784-en-c.pdf">http://www.eesc.europa.eu/resources/docs/qe-31-12-784-en-c.pdf</a></p> <p>Social and Solidarity Economy and the Challenge of Sustainable Development: A Position Paper by the United Nations Inter-Agency Task Force on Social and Solidarity Economy (TFSSE) (2014). Retrieved from <a href="http://unsse.org/wp-content/uploads/2014/08/Position-Paper_TFSSE_Eng1.pdf">http://unsse.org/wp-content/uploads/2014/08/Position-Paper_TFSSE_Eng1.pdf</a></p> <p>An alternative vision of the economy. Retrieved from <a href="http://www.socioeco.org/bdf_axe-1_en.html">http://www.socioeco.org/bdf_axe-1_en.html</a></p> <p>Alternative forms of entrepreneurship, production and consumption. Retrieved from <a href="http://www.socioeco.org/bdf_axe-7_en.html">http://www.socioeco.org/bdf_axe-7_en.html</a> (Accessed 12.03.2018).</p> <p>Public policies and the solidarity economy. Retrieved from <a href="http://www.socioeco.org/bdf_axe-8_en.html">http://www.socioeco.org/bdf_axe-8_en.html</a></p> <p>Finance and money at the service of society. Retrieved from <a href="http://www.socioeco.org/bdf_axe-6_en.html">http://www.socioeco.org/bdf_axe-6_en.html</a></p>		

<b>Title</b>	<b>Decision Making</b>
<b>Level</b>	7
<b>Semester</b>	2
<b>Person responsible for the module</b>	Viktor Sabadash Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration, Sumy State University viktorsaba@econ.sumdu.edu.ua +38 (050) 5786808 (Viber)
<b>Lecturer</b>	Viktor Sabadash
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 20 hrs. (lectures – 12 hrs.; practical classes – 8 hrs.), individual work – 130 hrs.
<b>Type teaching, contact hours</b>	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 presentations and testing. Lectures – 12 hrs.; practical classes – 8 hrs.
<b>Recommended prerequisites</b>	Existing competencies in Economic Theory, Ecological Economics, Management, Probability Theory, Statistics, Investment
<b>Aims</b>	The course aims: - to enable students to economically substantiate economic and ecological decisions and evaluate business risks; - to develop technologies and apply approaches to the substantiation of business decisions under conditions of uncertainty and risk; use quantitative and qualitative methods for analysing business risks of environmental project; - to argue the choice of optimal economic and ecological oriented decision in conditions of uncertainty and risk and to evaluate the efficiency of investment and financial decisions.
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO.1.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team; <b>LO.2.</b> Justify decisions under uncertainty, requiring new approaches and economic-mathematical modelling and forecasting; <b>LO.3.</b> Demonstrate the high environmental awareness and responsibility; <b>LO.4.</b> Apply modern approaches and methods of motivation and stimulation of ecologically safe activity of enterprises, introduction of ecological innovations.
<b>Content</b>	Decision making develops and applies ecological economics and management and methods for making business and managerial decisions in the context of conflicting interests of economic actors. The course is based on the modern theory of decision-making and the basic principles of non-conflict business on the basis of competitive advantages of the firm and the optimal choice. The materials of the course should promote the formation of students' knowledge and skills regarding the



Title	Decision Making		
	substantiation of business decisions with varying degrees of uncertainty and the risk of a competitive environment. The key concepts covered in course are: <ul style="list-style-type: none"> <li>- economic relations,</li> <li>- ecological conflict,</li> <li>- uncertainty and risk,</li> <li>- ecologically safe activity,</li> <li>- forecasting and analysis of business decisions,</li> <li>- ecological innovations,</li> <li>- quantitative and qualitative evaluation of business risk,</li> <li>- directions and methods regulation and risk reduction measures,</li> <li>- risk management.</li> </ul>		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
	<b>Examinations</b> Exam		40
	<b>Written assessment tasks</b> Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	tests	30
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	presentation group work	10 10
	<b>Other</b> Active participation in lectures, seminars, practical classes, labs, individual classes	participation in lectures participation in practical classes	5 5
<b>Assessment tasks</b>	<b>Tests</b> on the main topics (30 % – LO.2, LO.4) A <b>presentation</b> to demonstrate methods of optimization and justification of economic and ecological oriented decisions for companies in a competitive environment (10 % – LO.1, LO.3, LO.4) A <b>group work</b> on research of economic and organizational aspects of risk management and ecologically safe activity (10 % – LO.1, LO.2, LO.4)		
<b>Reading list</b>	Eisenführ, F., Weber, M., & Langer, T. (2010). <i>Rational Decision Making</i> . Wien: Springer. Conroy, M. J., & Peterson, J. T. (2015). <i>Decision Making in Natural Resource Management: a Structured, Adaptive Approach</i> . New Jersey: Wiley-BlackWell. Byrnes, J. P. (2013). <i>The Nature and Development of Decision Making: a Self-Regulation Model</i> . Psychology Press. Kolstad, C. D. (2015). <i>Environmental Economics</i> . (2 <sup>nd</sup> ed.). Oxford University Press. Anderson, D. F (2013). <i>Environmental Economics and Natural Resource Management</i> . Oxford University Press.		



<b>Title</b>	<b>Economic and ecological analysis</b>
<b>Level</b>	7
<b>Semester</b>	2
<b>Person responsible for the module</b>	Yevhen Kovalenko Assistant Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Yevhen Kovalenko
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 22 hrs. (lectures – 12 hrs.; practical classes – 10 hrs.), individual work – 128 hrs.
<b>Type teaching, contact hours</b>	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 – 12 hrs.; practical classes – 10 hrs.
<b>Recommended prerequisites</b>	Existing competences in Principles of the economics of the firm, Environmental economics, Ecological economics, Economics of Natural Resources, Economics of development
<b>Aims</b>	Investigation and ecological and economic evaluation of consequences of enterprise activity influence on the environment, determination of measures that are focused on stabilization and improvement of environmental conditions.
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components. <b>LO.2.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems. <b>LO.2.</b> Evaluate possible risks, socio-economic implications of managerial decisions. <b>LO.4.</b> Apply scientific approaches to the formation and substantiation of effective strategies in economic activity.
<b>Content</b>	The main tasks of the discipline: theoretical knowledge and methodical principles of carrying out of ecological-economic analysis within the main components of the economic mechanism of enterprises that are related to the use of nature. The key concepts covered in course are: - Environmental protection activity as an object of economic analysis - Organization, main lines, object and objects of eco-logical-economic analysis - Types of ecological and economic analysis - Method and method of complex ecological-economic analysis - Organization of environmental and economic analysis - Environmental balance of the enterprise - The method of identification and calculation of reserves in the ecological-economic analysis

Title	Economic and ecological analysis		
	<ul style="list-style-type: none"> <li>- Structuralization of ecological and economic indicators of production</li> <li>- Analysis of the organizational and technical level of environmental activities</li> <li>- Ecological-economic analysis of the use of productive resources</li> <li>- Analysis of costs for environmental activities</li> <li>- Analysis of the results of the activities on improving the use of natural resources and the quality of the environment</li> <li>- Analysis of the impact of environmental activities on the formation and evaluation of indicators of commercial activity of the enterprise</li> </ul>		
<b>Assessment tasks</b>	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
<b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>Examinations</b>		
	Exam		40
	<b>Written assessment tasks</b>		
	Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	short answer tests essay	20 10
	<b>Oral presentations</b>		
	Oral assessment and presentation, group work, practical skills assessment	report group work	10 10
	<b>Other</b>		
	Active participation in lectures, seminars, practical classes, labs, individual classes	activity in lectures activity in seminars	5 5
	<b>COURSEWORK</b>		
Written assignment / essay, report, dissertation, portfolio, project output	Short answer test Portfolio of practical write ups Individual or group project proposal	10 65 25	
<b>Assessment tasks</b>	Short answer test on the main topics (20% – LO.1) An oral report to demonstrate the ability to analyse and evaluate the efficiency of environmental activities of firm (10% – LO.2, LO.3) An Oral assessment and presentation and group work management solutions for improving the environmental performance of firms (20% – LO.4) 100% coursework based on three elements: 1) Short answer test on scientific, methodological and analytical tools used ecological and economic analysis (10% – LO.2) 2) Portfolio of practical write ups. Demonstrating skills of Search and economic substantiation of reserves for improving the ecological and economic efficiency of enterprises (65% – LO.1, LO.2) 3) Individual or group project proposal. This will be conducting a comprehensive analysis of the environmental activity of enterprises. Identification of unused reserves for improving the efficiency of enterprises. (25 % – LO.3, LO.4).		
<b>Reading list</b>	Barbara Davis (2012). <i>Managing Business Analysis Services: A Framework for Sustainable Projects and Corporate Strategy Success</i> . J. Ross Publishing Business Analysis Professional Series		

Title	Economic and ecological analysis
	<p>Gavin Reid (2002). <i>Small Business Enterprise: An Economic Analysis</i>. Routledge.</p> <p>McAfee, R. (2009). <i>Introduction to Economic Analysis</i>, University Press of Florida.</p> <p>Pervez N. Ghauri, Xiaolan Fu, Juha Väättänen (2017) <i>Multinational Enterprises and Sustainable Development. International Business &amp; Management</i>. Emerald Group Publishing</p> <p>Philip A. Lawn (2006). <i>Sustainable Development Indicators in Ecological Economics Current issues in ecological economics</i>. Edward Elgar Publishing</p> <p>Thomas, H. &amp; Logan, C. (2017). <i>Mondragon: An Economic Analysis</i>. Taylor &amp; Francis</p> <p>World Bank (2017) <i>Atlas of Sustainable Development Goals 2017: From World Development Indicators. World Bank Atlas</i>. World Bank Publications</p>

<b>Title</b>	<b>Ecological Management and Audit</b>
<b>Level</b>	7
<b>Semester</b>	2
<b>Person responsible for the module</b>	Tetyana Pimonenko Senior Lecturer, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Tetyana Pimonenko
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 22 hrs. (lectures – 12 hrs.; practical classes – 10 hrs.), individual work – 128 hrs.
<b>Type teaching, contact hours</b>	The module will be delivered in the form of lectures and practical classes. Students will be working in team during practical classes and make oral presentations, written tasks and testing. Lectures – 12 hrs.; practical classes – 10 hrs.
<b>Recommended prerequisites</b>	Existing competences in Ecological Economics, Economics Evaluation of the Natural Recourses, Sustainable Development
<b>Aims</b>	The aim of the course “Ecological Management and Audit” is forming a system of the theoretical knowledge and practical skills to use the modern instruments, methods and approaches for providing the environmental management and audit at the company. The main objectives of the course are: - to define the concept of environmental management and audit; - to enlarge knowledge in the main approach to provide the environmental management and audit; - to develop knowledge of innovative method to estimate the existence environmental and management system at the company
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO.1.</b> Conduct research, generate new ideas and conduct innovation activities. <b>LO.2.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems. <b>LO.3.</b> Evaluate possible risks, socio-economic implications of managerial decisions. <b>LO.4.</b> Apply scientific approaches to the formation and substantiation of effective strategies in economic activity. <b>LO.5.</b> Apply modern approaches and methods of motivation and stimulation of ecologically safe activity of enterprises, introduction of ecological innovations.
<b>Content</b>	The course is developing the theoretical knowledge and practical skills to use the modern instruments, methods and approaches to provide and analyse the existence environmental management and audit at the company. The bullet points of the course are:

Title	Ecological Management and Audit		
	<ul style="list-style-type: none"> <li>- environmental management and audit: the definitions; main principles and features;</li> <li>- the international standards of environmental management and audit;</li> <li>- the information base for providing the environmental management and audit;</li> <li>- the main advantages and benefits of the environmental management and audit system like as the environmental and economics instruments.</li> </ul>		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
	<b>Examinations</b> Exam		40
	<b>Written assessment tasks</b> Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	short answer tests essay	10 10
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	report group work	10 20
	<b>Other</b> Active participation in lectures, seminars, practical classes, labs, individual classes	participation in lectures participation in seminars	5 5
<b>Assessment tasks</b>	<p><b>Short answer test</b> on the main topics (10% – LO.2)</p> <p>An <b>essay</b> on market structure analysis to demonstrate knowledge of different market structures and its influence on decision-making (10% – LO. 3)</p> <p>An oral <b>report</b> to demonstrate the ability to analyse and estimate of companies (10% – LO.3, LO4)</p> <p>A <b>group work</b> on developing the company's profile, indicating the company's place at market (20% – LO.4, LO.5)</p>		
<b>Reading list</b>	<p>Victor A. Akujuru. (2001). <i>Principles and practice of environmental management and auditing: (the Nigerian experience)</i>. Pearl Publishers</p> <p>Environmental Management: Environmental Audit, Environmental Impact Assessment, Environmental Manager, Environmental Resources Management, Protocol On. (2013). General Books</p> <p>Malawi. (2002). <i>Guidelines for Environmental Management System and Environmental Auditing for [name of Operations]: Mining operations</i>. Ministry of Natural Resources and Environmental Affairs, Environmental Affairs Department</p> <p>P.S.B. Rao, P.M. Rao. (2000). <i>Environment Management and Audit</i>. Deep and Deep Publications</p> <p>Environment Eco-Management and Audit Scheme. Access: <a href="http://ec.europa.eu/environment/emas/index_en.htm">http://ec.europa.eu/environment/emas/index_en.htm</a></p> <p>The European Eco-Management and Audit Scheme (EMAS) <a href="https://www.iisd.org/business/tools/systems_emas.aspx">https://www.iisd.org/business/tools/systems_emas.aspx</a></p> <p>What Are Environmental Management Systems (EMS)? - From Compliance to Policy. Access: <a href="http://asq.org/learn-about-quality/environmental-management-system/">http://asq.org/learn-about-quality/environmental-management-system/</a></p>		

<b>Title</b>	<b>Human Resource Management</b>
<b>Level</b>	7
<b>Semester</b>	2
<b>Person responsible for the module</b>	Andrii Yevdokymov Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Andrii Yevdokymov
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 16 hrs. (lectures – 12 hrs.; labs – 4 hrs.), individual work – 134 hrs.
<b>Type teaching, contact hours</b>	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 – 12 hrs.; labs – 4 hrs.
<b>Recommended prerequisites</b>	Existing competences in principles of management and economics
<b>Aims</b>	The purpose of the discipline is to obtain by student knowledge of human resource management of enterprises in a market economy, skills of independent creative thinking, to adopt an optimal managerial decisions that improve the welfare of its employees and owners, and the effectiveness of the organization.
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components. <b>LO.2.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team. <b>LO.3.</b> Demonstrate communication skills in professional and academic circles in native and foreign languages. <b>LO.4.</b> Evaluate the results of your work and be responsible for personal professional development. <b>LO.5.</b> Substantiate managerial decisions on effective development of business entities
<b>Content</b>	The course “Human Resource Management” brings knowledge of the theory and practice of managing the staff of various organizations, which operate in different branches. It considers the theory of human resources management, social policy and sociology of labour, human resources, social and labour relations, concepts and methods of human resources management. The key concepts covered in course are: - staffing strategy and policy; - approaches to the division of tasks of personnel management between linear and functional divisions and managers; - methods of professional recruitment; - motivation and staff development;

Title	Human Resource Management		
	- analysis of complex economic situations; - substantiation and effective decision making in the field of human resources management.		
<b>Assessment tasks</b>	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
<b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>Examinations</b>		
	Exam		40
	<b>Written assessment tasks</b>		
	Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	short answer tests obligatory home assignment	20 10
	<b>Oral presentations</b>		
Oral assessment and presentation, group work, practical skills assessment	report group work	10 10	
<b>Other</b>			
Active participation in lectures, seminars, practical classes, labs, individual classes	problem-solving or evaluative skills	10	
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (20% – LO.1, LO.2) An <b>obligatory home assignment</b> on staff structure analysis to demonstrate the knowledge of different organizational structures and their impact on decision making (10% – LO.3) An oral <b>report</b> to demonstrate the ability to analyse and structure the problems of personnel activities and manage their changes (10% – LO.5) <b>Group work</b> on self-development and self-management (10% – LO.4)		
<b>Reading list</b>	Dessler, G. (2016). <i>Human Resource Management</i> , Pearson. Noe, R., Hollenbeck, J.R., Gerhart, B., Wright, P.M. (2016). <i>Fundamentals of Human Resource Management</i> , 6 <sup>th</sup> ed. McGraw-Hill. Mondy, R.W., Martocchio, J.J. (2016). <i>Human Resource Management</i> , 14 <sup>th</sup> Global ed. Pearson. Mathis, R.L., Jackson, J.H. (2011). <i>Human Resource Management</i> , 13 <sup>th</sup> ed. South-Western Cengage Learning. Tyson, S. (2006). <i>Essentials of Human Resource Management</i> , 5 <sup>th</sup> ed. Routledge. Collings, D.G., Wood, G. (eds.) (2009). <i>Human Resource Management: a critical approach</i> , Routledge. Mahapatro, B.B. (2009). <i>Human Resource Management</i> , New Age International Pvt Ltd Publishers.		



<b>Title</b>	<b>Renewable resources: Project Management</b>
<b>Level</b>	7
<b>Semester</b>	2
<b>Person responsible for the module</b>	Yurii Derevianko Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University yurii.derevianko@econ.sumdu.edu.ua
<b>Lecturer</b>	Yurii Derevianko
<b>Language</b>	English
<b>Relation to curriculum</b>	Elective
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 20 hrs. (lectures – 12 hrs.; practical classes – 8 hrs.), individual work – 130 hrs.
<b>Type teaching, contact hours</b>	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 – 12 hrs.; practical classes – 8 hrs.
<b>Recommended prerequisites</b>	Existing competences in principles of economics and management
<b>Aims</b>	This course utilizes a simulated team project to manage a project's life cycle. Emphasis is placed on activity networks, managing resources, and creating control mechanisms that minimize risk. Project leadership is explored in the context of building effective project teams and maintaining stakeholder relationships, also in the sphere of renewable resources. The aims of this course are to: <ul style="list-style-type: none"> <li>• Understand and articulate the importance of Project Management in any renewable energy project</li> <li>• Develop a manageable project schedule</li> <li>• Use tools and techniques to manage a project during execution</li> </ul>
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <p><b>LO.1.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team;</p> <p><b>LO.2.</b> Evaluate the results of your work and be responsible for personal professional development;</p> <p><b>LO.3.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems.;</p> <p><b>LO.4.</b> Apply modern economic tools for resource conservation and environmental management for different levels of management.</p>
<b>Content</b>	The course is designed for the students to prepare them for the working in various renewable energy projects right from conceptualization to delivery of energy services/electricity. Students will discover the renewable energy project life cycle and learn how to build a successful project from preimplementation to completion. It will introduce project management topics such as resources, costs, time constraints and project scopes. The key concepts covered in course are: <ul style="list-style-type: none"> <li>- planning, analysis and financing of projects</li> </ul>

Title	Renewable resources: Project Management		
	<ul style="list-style-type: none"> <li>- contract management</li> <li>- implementation and review of projects</li> <li>- project control and evaluation</li> <li>- managing the project team.</li> </ul>		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
	<b>Examinations</b> Credit		40
	<b>Written assessment tasks</b> Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	short answer tests obligatory home assignment	20 10
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	report group work	10 10
	<b>Other</b> Active participation in lectures, seminars, practical classes, labs, individual classes	activity in lectures activity in seminars	5 5
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (20% – LO.1, LO.2) <b>An obligatory home assignment</b> on collecting, processing and analysing statistical data (10% – LO.3) <b>An oral report</b> to demonstrate the ability to Apply modern economic tools for resource conservation and environmental management (10% – LO.2, LO.4) <b>A group work</b> to demonstrate skills to make decisions, leadership skills and ability to work in a team (10% – LO.1, LO.3)		
<b>Reading list</b>	Heagney, J. (2012). <i>Fundamentals of project management</i> . New York: Amacom, American Management Association. <i>A guide to the project management body of knowledge: PMBOK® guide</i> . (2013). Newton Square: Project Management Institute. Heerkens, G. (2002). <i>Project management</i> . New York, NY: McGraw-Hill Trade.		

<b>Title</b>	<b>Modeling of the emergent economy</b>
<b>Level</b>	7
<b>Semester</b>	2
<b>Person responsible for the module</b>	Prof., Oliinyk V.
<b>Lecturer</b>	Oliinyk V.
<b>Language</b>	English
<b>Relation to curriculum</b>	Compulsory
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours, contact hours – 48 hrs (lectures – 32 hrs; laboratory sessions – 16 hrs), private study – 102 hrs
<b>Type teaching, contact hours</b>	The module will be delivered in the form of lectures and laboratory sessions. Lectures: 32 hrs; laboratory sessions: 16 hrs
<b>Recommended pre-requisites</b>	Existing competences in Applied econometrics
<b>Aims</b>	To provide students with the theoretical knowledge and practical skills required to using the scientific and methodical tools for management of economic activity; collecting, analyzing and processing scientific and analytical materials that are necessary for solving complex economic problems; using the economic and mathematical methods and models for the study of economic and social processes; using the scientific approach to the formation and substantiation of effective strategies in economic activity.
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO1.</b> Formulate, analyze and synthesize solutions of scientific and practical problems at the abstract level by decomposing them into components. <b>LO2.</b> Do research, generate new ideas, innovate. <b>LO3.</b> Select and use the necessary scientific, methodological and analytical tools for managing economic activity. <b>LO4.</b> Collect, process and analyze statistical data, scientific and analytical materials necessary for solving complex economic problems. <b>LO5.</b> Analyze economic objects and processes on the basis of the created models, to interpret the obtained results and to make managerial decisions at all levels of the economic management hierarchy on the basis of the conclusions drawn.
<b>Content</b>	Contents of the course by topics: Topic 1 “Methodological principles of mathematical modeling of processes, objects and phenomena of a emergent economy” Topic 2 “Mathematical models and methods of economic development analysis at micro, meso- and macroeconomic levels” Topic 3 “Evolutionary mathematical methods and models for the analysis and forecasting of economic changes” Topic 4 “Modeling and analysis of adaptive and rational expectations at different levels of management” Topic 5 “Mathematical modeling of economic security at different levels of management”

Title	Modeling of the emergent economy		
	<p>Topic 6 “Mathematical methods and models of indicative planning and diagnostics of probable bankruptcy of the enterprise”</p> <p>Topic 7 “Diagnostics of bankruptcy of the enterprise using mathematical tools of fuzzy logic”</p> <p>Topic 8 “Mathematical models of anti-crisis indicative planning by methods of analysis of hierarchies”</p> <p>Topic 9 “Mathematical methods and models of analysis of processes of innovative development of enterprise”</p> <p>Topic 10 “Mathematical modeling of functioning and evaluation of strategies for the development of small enterprises”</p> <p>Topic 11 “Mathematical methods and models of evaluation of system characteristics of the enterprise: maneuverability, viability, reliability, risk, tension, inertia”</p>		
<p><b>Assessment tasks</b></p> <p><b>Type of assessment tasks</b></p> <p>Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)</p>	<p><b>Activity</b></p>	<p><b>Further details</b></p>	<p><b>%</b></p>
	<p><b>WRITTEN</b> Written exam</p>	<p>Final semester assessment, which contains theoretical and practical tasks</p>	<p>40</p>
	<p><b>COURSEWORK</b> Written assignment, reports on the implementation of laboratory work, calculation and graphic work (individual or group project output)</p>	<p>Short answer test Reports of laboratory sessions Individual or group project proposal</p>	<p>20 30 10</p>
	<p><b>OTHER</b> Set exercises assessing application of knowledge, analytical, problem-solving or evaluative skills</p>		
<p><b>Assessment tasks</b></p>	<p>100% coursework based on three elements:</p> <p>1) Short answer unseen test for assessing the quality of theoretical material submitted for self- study (20% – LO1; LO3);</p> <p>2) Reports of laboratory sessions for checking the practical tasks and answers to questions submitted for the defence of laboratory work (30% – LO1; LO2; LO3; LO4; LO5)</p> <p>3) Individual project proposal in a form of solving tasks for different incoming economic conditions (10% - LO3; LO4; LO5);</p>		
<p><b>Reading list</b></p>	<p>Principles of economics, macroeconomics. – Homewood: Irwin, 1991. – 97 p.</p> <p>Kohler, H. Economics. – Lexington: D.C. Heath and company, 1992. – 1060 p.</p> <p>Математичні методи і моделі ринкової економіки: Навчальний посібник. – Х.: ВД «ІНЖЕК», 2010. – 456с.</p> <p>Кігель В. Р. Математичні методи ринкової економіки : навч. посібн. для вищ. навч. закл. – К.: Кондор, 2003. – 159с.</p> <p>Пинегина М. В. Математические методы и модели в экономике : учебн. пособ. для вузов / М. В. Пинегина. – М. : Экзамен, 2004. – 127с.</p>		

Title	Potential of economic system development
Level	7
Semester	3
Person responsible for the module	Leonid Taraniuk Professor, Doctor of Science (D.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
Lecturer	Leonid Taraniuk
Language	English
Relation to curriculum	Elective
Credit point	5 credits ECTS
Workload	150 hours: contact hours – 20 hrs. (lectures – 12 hrs.; practical classes – 8 hrs.), independent work – 130 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 – 12 hrs.; practical classes – 8 hrs.
Recommended prerequisites	Existing competences in Environmental economics, Economics of firm, Economics of development
Aims	Provide students with the theoretical knowledge and practical skills needed to evaluation of potential of economic system development.
Module objectives / Learning outcomes	On completion of this module the student should be able to: <b>LO.1.</b> Formulate, analyse and synthesize scientific solution of problems on an abstract level by decomposing them into components. <b>LO.2.</b> Select and use the necessary scientific, methodological and analytical tools for managing economic activity. <b>LO.3.</b> Collect, process and analyse statistical data, scientific and analytical materials necessary for solving complex economic problems. <b>LO.4.</b> Apply modern innovative approaches to optimize resource conservation and nature management.
Content	Potential of economic system development develops and applies the theory of sustainable development and methods of assessing economic potential. The course is based on the management of the potential of economic systems, considering the various theoretical aspects of sustainable development, the impact of factors on the potential, methods of economic evaluation of the potential of economic systems. It is about exposing students to methodological and economic tools for assessing the economic potential of economic systems. The basic concepts that are considered in the course are: - economic system; - potential; - Sustainable development; - system; - assessment of the efficiency of economic systems; - methods and tools for assessing economic potential

Title	Potential of economic system development		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>Activity</b>	<b>Further details</b>	<b>%</b>
	<b>Examinations</b> Exam		40
	<b>Written assessment tasks</b> Test, essay, report, dissertation, obligatory home assignment, portfolio, project output	short answer tests essay	20 10
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	report group work	10 10
	<b>Other</b> Active participation in lectures, seminars, practical classes, labs, individual classes	participation in lectures participation in seminars	5 5
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (20% - LO.1) An <b>essay</b> on Potential For Demonstration of Knowledge on the Management of the Capacity of Economic Systems (10% -LO.2) An oral <b>report</b> to demonstrate the ability to analyze and structure the factors that affect the level of potential of economic systems (10% - LO.3) A <b>group work</b> on on strategic assessment, risk management, capacity assessment of economic systems (10% - LO.4)		
<b>Reading list</b>	Illiashenko, S.M., & Strielkowski, W. (2016). <i>Managing economic growth: marketing, management, and innovations</i> . Institute for Qualification Enhancement. Prague. Estrin, S., Mickiewicz, T., & Stephan, U. (2016). Human capital in social and commercial entrepreneurship. <i>Journal of Business Venturing</i> , 31, pp. 449-467. Irengun, O. and Arikboga, S. (2015). <a href="#">The effect of personality traits on social entrepreneurship intentions: a field research</a> . <i>Procedia - Social and Behavioral Sciences</i> , 195, pp. 1186 – 1195. Camp, R. (2006). <i>Benchmarking. The Search for Industry Best Practices That Lead to Superior Performance</i> : Productivity Press. New-York. Mann, R., Kohl, H. & Searles B. (2013). <i>Benchmarking 2030. The future of benchmarking</i> . Fraunhofer: Global Benchmarking Network. <a href="http://www.globalbenchmarking.org">globalbenchmarking.org</a> . Retrieved from <a href="http://www.globalbenchmarking.org/fileadmin/user_upload/GBN/PDF/Publications/2030/gbn-report_bm_2030_final_web.pdf">http://www.globalbenchmarking.org/fileadmin/user_upload/GBN/PDF/Publications/2030/gbn-report_bm_2030_final_web.pdf</a> Ng, T. & Feldman, D. (2014). <a href="#">A conservation of resources perspective on career hurdles and salary attainment</a> . <i>Journal of Vocational Behavior</i> , 85 (1), pp. 156-168.		

<b>Title</b>	<b>Ecological Fundraising</b>
<b>Level</b>	7
<b>Semester</b>	3
<b>Person responsible for the module</b>	Olena Chygryn Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Olena Chygryn
<b>Language</b>	English
<b>Relation to curriculum</b>	Elective
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 16 hrs. (lectures – 12 hrs.; practical classes – 4 hrs.), independent study – 134 hrs., individual assignment
<b>Type teaching, contact hours</b>	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 and testing. Lectures – 12 hrs.; practical classes – 4 hrs.
<b>Recommended prerequisites</b>	Existing competences in Economics Theory, Economics of Firm, Economic Analysis, Environmental Economics
<b>Aims</b>	To provide students with the theoretical knowledge and practical skills in the process of attracting external, third-party resources for the company, necessary for the implementation of the "green" projects and resource activity
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <b>LO.1.</b> Demonstrate skills to make decisions, leadership skills and ability to work in a team. <b>LO.2.</b> Substantiate managerial decisions on effective development of business entities. <b>LO.3.</b> Organize the development and implementation of projects in the field of economics, taking into account informational, methodological, material, financial and human resources provision. <b>LO.4.</b> Apply modern economic tools for resource conservation and environmental management for different levels of management.
<b>Content</b>	The module covers basic approaches to the most relevant theories of modern fundraising practice in funding the “green” projects and renewables. The module selectively covers the nature, main principles and types of fundraising. It describes the relevant basic sources in funding “green” projects and methods of working with them. The defining and assessment of the mechanisms and approaches of attracting financial resources in such specific sphere are considered too. It discusses budgeting and analysis of available recourses, searching and selection of potential donors for providing resource activity.



Title	Ecological Fundraising		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
	<b>Examinations</b> Written Exam		40
	<b>Written assessment tasks</b> Test, essay, report, portfolio	Short answer tests	10
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	Report Group work	10 10
	<b>Other</b> Active working on lectures and practical classes, individual classes, group work, participation in scientific conferences and contests, publishing theses and articles. Individual assignment	Active working on lectures, seminars, Group work Individual assignment	10 10 10
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (10% – LO.1) A oral <b>report</b> about main the mechanisms, approaches and tendencies in funding resource saving activity (10% – LO.3) A <b>group work</b> on study cases (10% – LO.4) <b>Individual assignment</b> on budgeting and analysing of available recourses, searching and selection of potential donors (100% – LO.1, LO.2, LO.4)		
<b>Reading list</b>	Sargeant, A., Shang, J. (2010) <i>Fundraising Principles and Practice</i> . 1st ed. Jossey-Bass. USA. Burnett, K. (2002). <i>Relationship Fundraising: A Donor Based Approach to the Business of Raising Money</i> . 2nd ed. Jossey-Bass. USA. Tempel, E.R., Seiler, T.L., Burlingame, D.F. (2016). <i>Achieving Excellence in Fundraising</i> . Jossey-Bass. USA. Grover, S. (2008). <i>Getting the Green: Fundraising Campaigns for Community Colleges</i> . American Association of Community Colleges. USA. Aswathanarayana, U. (2012). <i>Natural Resources - Technology, Economics &amp; Policy</i> . Taylor & Francis Group. London,UK.		



<b>Title</b>	<b>Strategic Firm Operation</b>
<b>Level</b>	7
<b>Semester</b>	3
<b>Person responsible for the module</b>	Iryna Dehtyarova Associate Professor, PhD (C.Sc.) Department of Economics, Entrepreneurship and Business Administration Sumy State University
<b>Lecturer</b>	Iryna Dehtyarova
<b>Language</b>	English
<b>Relation to curriculum</b>	Elective
<b>Credit point</b>	5 credits ECTS
<b>Workload</b>	150 hours: contact hours – 20 hrs. (lectures – 12 hrs.; practical classes – 8 hrs.), independent study – 130 hrs., individual assignment (course paper)
<b>Type teaching, contact hours</b>	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 and testing. Lectures – 12 hrs.; practical classes – 8 hrs.
<b>Recommended prerequisites</b>	Existing competences in Economics of Enterprise, Economic Analysis, Business Diagnostics, Corporate Strategy
<b>Aims</b>	The course aims at: <ul style="list-style-type: none"> <li>- defining and understanding the concept of strategic firm operation;</li> <li>- identifying best strategic alternatives for firms in the competitive environment;</li> <li>- strategy formulating and implementation;</li> <li>- reviewing, evaluating and controlling strategy of the firm</li> </ul>
<b>Module objectives / Learning outcomes</b>	On completion of this module the student should be able to: <p><b>LO.1.</b> Select and use the necessary scientific, methodological and analytical tools for managing economic activity..</p> <p><b>LO.2.</b> Justify decisions under uncertainty, requiring new approaches and economic-mathematical modelling and forecasting.</p> <p><b>LO.3.</b> Evaluate possible risks, socio-economic implications of managerial decisions</p> <p><b>LO.4.</b> Organize the development and implementation of projects in the field of economics, taking into account informational, methodological, material, financial and human resources provision.</p> <p><b>LO.5.</b> Apply modern innovative approaches to optimize resource conservation and nature management.</p>
<b>Content</b>	The module selectively covers the nature of strategic management, key terms and strategic-management models. It describes the nature and role of vision and mission statements in strategic management. Emphasis is placed on setting firm's goals, determining actions to achieve the goals, and mobilizing resources to execute the actions. The course introduces general idea about business environment analysis: internal and external. It specifies how competitive and industry analysis adds to better strategic management. It explains why strategy implementation is more difficult than strategy formulation. It discusses Balance Scorecard applications to improve the performance of firms, resource planning and management control. The course discusses the

Title	Strategic Firm Operation		
	importance of contingency planning in strategy evaluation for firm's efficiency.		
<b>Assessment tasks</b>  <b>Type of assessment tasks</b> Summative assessment tasks which lead to the award of credit or which are required for progression (expressed as a %)	<b>ACTIVITY</b>	<b>FURTHER DETAILS</b>	<b>%</b>
	<b>Examinations</b> Written Exam		40
	<b>Written assessment tasks</b> Test, essay, report, portfolio, project output, course paper	short answer tests essay course paper	10 10 10
	<b>Oral presentations</b> Oral assessment and presentation, group work, practical skills assessment	report group work	10 10
	<b>Other</b> Active participation in lectures, seminars, practical classes, labs, individual classes	participation in lectures participation in seminars	5 5
<b>Assessment tasks</b>	<b>Short answer test</b> on the main topics (20% – LO.1, LO. 2) An <b>essay</b> on business environment analysis to demonstrate the ability to identify possible opportunities and threats to your industry as well as a set of conditions that is uncontrollable in nature and affects the functioning of firms (10% – LO.3). An oral <b>report</b> to demonstrate the ability to set goals, mission and vision (10% – LO.4) A <b>group work</b> on strategy formulation (10% – LO.5)		
<b>Reading list</b>	David, F.R. (2013). <i>Strategic Management. Concepts and Cases</i> . Harlow: Pearson Education Ltd. Dess, G. G., Lumpkin, G. T., Eisner, A. B., McNamara, G. (2013). <i>Strategic Management: Creating Competitive Advantages</i> , 7th Edition, McGraw-Hill International Edition, McGraw-Hill/Irwi Ritson, N. (2017). <i>Strategic Management</i> . Bookboon. Petrova, E. (2017). <i>Genesis of Strategic Management</i> . Bookboon. Gulati, R., Mayo, A. J. & Nohria, N (2015). <i>Management: an integrated approach</i> . Second Edition. Boston: Harvard Business School.. López, J. E. N. & Martín, L. Á. G. (2013). <i>Fundamentals of Strategic Management</i> . Pamplona: Thomson Reuters Civitas Grant, Robert M. (2016). <i>Contemporary strategy analysis : text and cases. Ninth edition</i> : Chichester, West Sussex: Wiley. Porter, M. (1998). <i>Competitive Strategy: Techniques for Analyzing Industries and Competitors</i> . New York: The Free Press.		