



DESCRIPTION OF COURSE UNIT

| Course unit title | Course unit code |
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| SUSTAINABLE BUSINESS MANAGEMENT AND SOCIETY | |

| Lecturer (s) | Department where course unit is delivered |
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| Prof. habil. dr. Remigijus Čiegis | Institute of Social Sciences and Applied Informatics Kaunas Faculty |

| Cycle | Level of course unit | Type of the course unit |
|------------------------------|----------------------|-------------------------|
| Master degree (second cycle) | | Mandatory course |

| Mode of delivery | Semester or period when the course unit is delivered | Language of instruction |
|-------------------|--|-------------------------|
| Lectures/Seminars | 3 semester | Lithuanian/ English |

| Prerequisites and corequisites | |
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| Prerequisites: Economic Policy of Environmental Protection | Corequisites: |

| Number of ECTS credits allocated | Student's workload | Contact work hours | Individual work hours |
|----------------------------------|--------------------|--------------------|-----------------------|
| 5 | 130 | 50 | 80 |

| Purpose of the course unit: programme competences to be developed | | |
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| <p>The objective of the course – to introduce students with the methods of evaluation of the main economic, social and environmental problems. The knowledge acquired during the course would form the background for holistic thinking and would allow critical and constructive assessment of economic, social and ecological situation of the country in the context of sustainable development, the decisions of businessmen's and policy makers and Government interventions into the markets by getting insight of interactions and reasons of phenomenon.</p> | | |
| Learning outcomes of course unit | Teaching and learning methods | Assessment methods |
| The students will get knowledge about the main results of studies assessing macroeconomic business environment and will be able to analyse the main factors of macroeconomic business environment and based on this analysis to reason management decisions in developing strategies of international business. | Lectures Seminars Homework Colloquium Exam | Intermediate practical assessment of settlement evaluation of control Colloquium |
| The students will be able analyse the relationship and mutual impacts between economic, social and environmental development and business development | Lectures Seminars Homework Colloquium Exam | Intermediate practical assessment of settlement evaluation of control Colloquium |
| The students will have the competence to assess critically the situation of economic, | Lectures Seminars | Intermediate practical assessment of settlement |

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| social and environmental business environment and evaluate the efficiency of implemented policy measures and based on this assessment to make decision in business development. | Homework Colloquium Exam | evaluation of control Colloquium |
| The students will be able analyze innovation management research data, which is important to scientific and practical purposes, to use informatics' systems and data bases | Lectures Seminars Homework Colloquium Exam | Intermediate practical assessment of settlement evaluation of control Colloquium |

| Course content: breakdown of the topics | Contact work hours | | | | | | Individual work hours and tasks | |
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| | Lectures | Consultations | | Lectures | Consultations | | Lectures | Consultations |
| Introductory lecture. Introduction to the course | 2 | | | | | | 2 | |
| Interaction between economy and environment: economic development and its impact to global, regional and local environment – historical view | 2 | | | | | | 2 | 2 |
| Material and energy flows: material flows and strategies of its management; energy, its alternative systems and effective production technologies. | 2 | | | | | | 2 | 2 |
| The management models for environmental resources: material balance model and economic functions of environment, R. Coase theorem and its use. Sustainable yield curve. Environmental Kuznets curve | 4 | | 4 | | | | 8 | 8 |
| Business and “green” management: views to relations between nature and society and sustainable business development; social responsibility of business; green management models of firms; systems of environmental protection management. | 2 | | 2 | | | | 4 | 4 |
| Sustainable industry: environmentally friendly production, life-cycle of product ecological designing. | 2 | | | | | | 2 | 4 |

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| <p>The problems of use of natural resources: market and society. The use of common and private resources. The protection of exhaustible resources</p> | 2 | | 2 | | | | 4 | 6 | <p>results of the analysis by identifying the efficiency of implemented policies. During the theoretical lectures the problematic discourse would be applied. During the seminars the sectional work will be applied and the reports of students will be presented and discussed throughout. The colloquium will be performed in the middle of course to allow students to present their knowledge and to get evaluation for the first half of the course.</p> |
| <p>Preparing for an interim settlement</p> | | | | | | | | 1 4 | |
| <p>Current problems and sustainable development: global, regional and national economic, social and environmental problems in the context of sustainable development; The road towards sustainability: historical perspective</p> | 2 | | | | | | 2 | 2 | <p>The lectures will be delivered providing the theoretical and practical material. During seminars the students theoretical knowledge and ability to analyse economic, environmental and social situation and decisions of policy makers in the sustainable development concept view will be checked out. The students will be required to prepare report at home and present the results and main finding of the report during</p> |
| <p>Theoretical aspects of sustainable development concept: economic dimension of sustainable development, social dimension of sustainable development, ecological dimension of sustainable development, the importance of institutional dimension for implementation of sustainable development</p> | 4 | | 2 | | | | 6 | 8 | |
| <p>Strategical management of implementation of sustainable development</p> | 2 | | | | | | 2 | 2 | |

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| Implementation of sustainable development in different branches of economy: sustainable energy, sustainable agriculture and forestry: food and fibbers, sustainable fishery, sustainable transport: towards sustainable mobility | 2 | | 4 | | | | 6 | 4 | seminars. The aim of report is to show the theoretical essence of the to field or problem, which is analysed, and present the conclusions and results of the analysis by identifying the efficiency of implemented policies. During the theoretical lectures the problematic discourse would be applied. During the seminars the sectional work will be applied and the reports of students will be presented and discussed throughout. The colloquium will be performed in the middle of course to allow students to present their knowledge and to get evaluation for the first half of the course. |
| Urbanization and sustainable cities: theoretical background, the tendencies of urbanization, analysis of sustainable city conception. The strategies for development of sustainable cities. The assessment of efficiency of implementation of sustainability principles in EU, Baltic Region and Lithuania. | 2 | | | | | | 2 | 4 | |
| Assessment of sustainable development: the shortages of traditional macroeconomic indicators for assessment of sustainability. Economic and environmental indicators of sustainable development. Sustainable social development and its evaluation, complex integrated evaluation of sustainable development of state and its regions | 2 | | | | | | 2 | 4 | |
| Ethics of sustainable development and ecological ethics. | 2 | | 2 | | | | 4 | 2 | |
| Preparing for the exam and Storage | | 2 | | | | | 2 | 1 4 | |
| Total | 32 | 2 | 16 | | | | 50 | 80 | |

| Assessment strategy | Comparative weight percentage | Date of examination | Assessment criteria |
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| Colloquium | 30 % | 9 – 10 week | Written test consists of open and closed questions. Evaluation: 3: Excellent knowledge and competences. 90-100 % of right answers. 2,5: Good knowledge and competences. There are some |

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| | | | <p>insignificant mistakes or minor shortcomings. 70-89 % of right answers.</p> <p>2: Average knowledge and competences. There are some mistakes 50-69 % of right answers.</p> <p>1,5: Knowledge and competences are below average. There are major mistakes. 30-49 of right answers.</p> <p>1: Knowledge and competences correspond to minimal requirements. There are many major mistakes. 10-29 % of right answers.</p> <p>0: The minimal requirements are not satisfied. 0-9 % of right answers.</p> |
| Homework (abstract) | 20 % | | <p>The students will be required to prepare report up to 20-25 pages) at home and present the results and main finding of the report during seminars. The aim of report is to analyze the outcomes of some economic–social field of development from the sustainable development viewpoint in Lithuania, compare with similar situation in other EU member states and present the conclusions and results of the analysis.</p> <p>Assessment scores:</p> <p>2,0 – the work is completed according all requirements, quality of work is excellent. 90-100% of work tasks are fully completed, references are cited appropriately, there are no spelling or grammar mistakes, there are no contradicting arguments in all chapters of the work, and structure of work is well done, logical.</p> <p>1,5- the work is well done, 70-89% of work tasks are completed, references are cited properly, there are no contradicting arguments in all chapters of the work, and structure of work is well done, logical. There are several minor shortcomings in the work.</p> <p>1,0–work is done satisfactory, 50-69% work tasks are completely. There are some spelling and grammar mistakes, there same mistakes in citing and references. There are some contradictions between chapters of the work. There are less than two major shortcomings in the work.</p> <p>0,0 – work is done not satisfactory. Just 40-0% of work tasks are completed. There are mistakes in citing, spelling and grammar mistakes, logical contradictions between chapters, structure of work is poor. There are more than two major weaknesses in the work</p> |
| Exam | 40 % | Exam date | <p>Written test consists of open and closed questions.</p> <p>Evaluation:</p> <p>4,0: Excellent knowledge and competences. 90-100 % of right answers.</p> <p>3,0: Good knowledge and competences. There are some insignificant mistakes or minor shortcomings. 70-89 % of right answers.</p> <p>2,5: Average knowledge and competences. There are some mistakes 50-69 % of right answers.</p> |

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| | | | <p>2,0: Knowledge and competences are below average. There are major mistakes. 30-49 of right answers.</p> <p>1,0: Knowledge and competences correspond to minimal requirements. There are many major mistakes. 10-29 % of right answers.</p> <p>0: The minimal requirements are not satisfied. 0-9 % of right answers.</p> |
| Activity in the lectures and seminars | 10 % | In all semester | <p>Students must attend all seminars and lectures and actively participate in discussions..</p> <p>For positive final evaluation must be accumulated no less as 5,0 score.</p> |

| Author | Year | Title | Number of periodical publication or publication Volume | The place of publication and publisher or online link |
|---|------|---|--|---|
| Required reading | | | | |
| R. Čiegis | 2004 | Ekonomika ir aplinka: subalansuotos plėtros valdymas. | Monograph | Kaunas: Vytauto Didžiojo universiteto leidykla |
| | 2014 | Darnus vystymasis: teorija ir praktika. Elektroninis išteklius | Monograph | Vilnius: Vilniaus universiteto leidykla |
| R. Čiegis | 2009 | Gamtos išteklių ir aplinkos ekonomika. | Textbook | Klaipėda: Klaipėdos universiteto leidykla |
| L. Kliučininkas, R. Čiegis | 2008 | Darnus vystymasis: aplinka, ekonomika, technologijos | Textbook | Kaunas: UAB „Biznio mašinų kompanija“ |
| R. Čiegis, T. Tamošiūnas, J. Ramanauskienė, K. Navickas | 2010 | Darnaui industrinių zonų vystymosi vertinimas | Monograph | Šiauliai: Šiaulių universiteto leidykla |
| R. Čiegis, R. Pareigis | 2010 | Darnių miestų ekonomika | Textbook a | Vilnius: Vilniaus universiteto leidykla |
| M. Klavins, W. Leal Filho, J. Zaloksnis | 2010 | Environment and Sustainable Development | Textbook | Riga: Academic Press of University of Latvia |
| Recommended reading | | | | |
| D. Štreimikienė, R. Čiegis, V. Jankauskas | 2007 | Darnus energetikos vystymasis | Monograph | Vilnius: Vilniaus universiteto leidykla |
| R. Čiegis | 2002 | Tolydžios ekonominės plėtros alternatyvios teorijos | Monograph | Kaunas: Naujasis lankas |
| Thomas Dean | 2013 | Sustainable Venturing: Entrepreneurial Opportunity in the Transition to a Sustainable | | Pearson Entrepreneurship; Prentice Hall |

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| | | Economy | | |
| R. Čiegis | 2002 | Tolydi plėtra ir aplinka: ekonominis požiūris | Monograph | Vilnius: ISM |
| R. Ozolinčius | 2001 | Aplinkos išteklių. Įvadas. | Textbook | Kaunas: Vytauto Didžiojo universiteto leidykla |
| R. Čiegis | 2015 | Aplinkos ekonominis vertinimas | Textbook | Klaipėda: Klaipėdos universiteto leidykla |
| Jeffrey D. Sachs (Author) | 2015 | The Age of Sustainable Development | | Columbia University Press |