

Information sheet for the course Sustainable Development

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>	
Course unit code: <i>MI-I-PV-20E</i>	Course unit title: <i>Sustainable Development</i>
Type of course unit: <i>optional</i>	
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Seminar: 1 hour weekly/13 hours per semester of study; face to face</i> <i>Laboratory tutorial: 0</i>	
Number of credits: <i>3</i>	
Recommended semester: <i>3rd semester in the 2nd year full-time</i> <i>5th semester in the 3rd year part-time</i>	
Degree of study: <i>the 2nd degree of study (Engineer's degree)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>Student will elaborate and interpret a separate work, during the semester; complete the test.</i> <i>Active participation of student in seminars.</i>	
Learning outcomes of the course unit: <i>The student has knowledge about the main principles of the sustainable development policies in the world and in the Slovak Republic, the implementation tools of sustainable development in practice, recognise a sectoral policy, global strategy of sustainable development, document the Agenda 21 and sustainable development indicators, can interpret the principles of territorial and regional development.</i>	
Course contents: <ol style="list-style-type: none"> <i>1. Milestones of sustainable development, concept and importance.</i> <i>2. Strategic documents and conventions from Earth Summit, Agenda 21 - analysis of individual sections and the major chapters.</i> <i>3. Ecological and economic understanding of sustainable development - characteristics of global problems and indicators for assessing sustainability - Trend EPI, HDI.</i> <i>4. The National Strategy for Sustainable Development - orientation, priorities and principles.</i> <i>5. Strategy Europe 2020 - priorities, initiatives, short-term and long-term objectives and measures.</i> <i>6. The current state of the main economic sectors of the Slovak Republic in terms of sustainable development - State of Environment Reports of the Slovak Republic.</i> <i>7. Landscape ecological planning LANDEP - Chapter 10 of Agenda 21.</i> <i>8. The principles of a Territorial system of ecological stability (USES), tools of sustainable ecological and regional development, the principles of protection and landscaping.</i> <i>9. Implementation instruments of the sustainable development – environmental management system EMAS (ISO 14000 EMS (ISO 14001), environmental profile of the organization.</i> <i>10. Strategies and priorities of environmental protection, international aspects of</i> 	

environmental protection, conventions - laws.

11. Environmental labeling of products I. and II.type, Environmental labeling in the world.

12. Legal Aspects of Environmental Impact Assessment (EIA) and Integrated Pollution Prevention and Control Permit (IPPC), information system IPPC.

Recommended of required reading:

1. ZELENÝ, Ján: INTEGROVANÝ MANAŽÉRSKY SYSTÉM . Technická univerzita vo Zvolene, 2006. - 74 s. ISBN 80-228-1576-4

2. ZELENÝ, Ján: RIZIKÁ V PRIEMYSLE. Technická univerzita vo Zvolene, 2006. - 321 s. + 1 CD. ISBN 80-228-1638-8.

3. ZELENÝ, Ján: ENVIRONMENTÁLNA POLITIKA A MANAŽMENT. Edícia TEMPUS – EUROPROJEKT (spoločný projekt pre štúdium práva európskeho spoločenstva). SPU Nitra – AU Wageningen; 1999; 228 strán. (Monografia).

4. MEZŘICKÝ, V.: ENVIROMENTÁLNÍ POLITIKA A UDRŽITELNÝ ROZVOJ. PORTÁL, s.r.o., 2005, Praha, ISBN 80-7367-003-8.

5. Ružicka, M., 1982: LANDEP - ekologicke planovanie krajiny. Technicka prace, 34, 1, p. 26 - 30.

6. Ruzicka, M., Miklos, L., 1982: Landscape Ecological Planning (LANDEP) in the Process of Territorial Planning. Ekologia (CSSR), 1, 3, p. 297 - 312.

Language: *Slovak*

Remarks:

Evaluation history:

A	B	C	D	E	FX

Lecturers: *prof. RNDr. Mariana Pajtášová, PhD.*

Last modification: *31.03.2014*

Supervisor: *prof. Ing. Darina Ondrušová, PhD.*