

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-PV-15</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: 0</i> <i>Laboratory tutorial: 0</i>	
Number of credits: <i>2</i>	
Recommended semester: <i>5th semester in the 3rd year full-time</i> <i>5th semester in the 3rd year part-time</i>	
Degree of study: <i>the 1st degree of study (Bachelor's degree)</i>	
Course prerequisites: <i>none</i>	
Assesment methods: <i>Student will elaborate and interpret a separate work, during the semester, on given topic related to the use of the principles of sustainable development in the practice; Active participation of student in seminars.</i>	
Learning outcomes of the course unit: <i>The students have knowledge about the main principles of the sustainable development, knows policies in the world and in the Slovak Republic and know implementation tools of sustainable development in practice.</i>	
Course contents: <ol style="list-style-type: none"> <i>1. The idea of sustainable development, the importance and milestones of sustainable development.</i> <i>2. Principles, criteria, indicators, strategic objectives and indicators of sustainable development.</i> <i>3. The Conference of Rio de Janeiro, strategic documents, Agenda 21.</i> <i>4. Global environmental problems, global world and sustainable development, evaluation of HDI and Trend EPI.</i> <i>5. The National Strategy for sustainable development.</i> <i>6. Strategy Europe 2020 - European strategy of sustainable development.</i> <i>7. Ecological aspects of sustainable development, ecological footprint.</i> <i>8. The current state of the main economic sectors of the Slovak Republic in terms of sustainable development.</i> <i>9. The current status of the non-productive sphere of SR in terms of sustainable development.</i> <i>10. State of the environment, causes and consequences of environmental change in SR.</i> <i>11. Implementation instruments of the sustainable development – environmental management system EMAS (ISO 14000 EMS (ISO 14001).</i> <i>12. Life Cycle Assessment (LCA), Legal Aspects of Environmental Impact Assessment (EIA), Strategic Environmental Assessment (SEA), Best Available Technology Not entailing Excessive Economical Costs (BATNEEC).</i> <i>13. Environmental labeling of products, Integrated Pollution Prevention and Control Permit</i> 	

(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: ENVIRONMENTÁLNA POLITIKA A MANAŽMENT. Edícia TEMPUS – EUROPROJEKT (spoločný projekt pre štúdium práva európskeho spoločenstva). SPU Nitra – AU Wageningen; 1999; 228 strán. (Monografia).
3. MEZŘICKÝ, V.: ENVIROMENTÁLNÍ POLITIKA A UDRŽITELNÝ ROZVOJ. PORTÁL, s.r.o., 2005, Praha, ISBN 80-7367-003-8.

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.*