

<b>SUBJECT:</b>	<b>Environmental Protection</b>		
<b>HOURS:</b>	15/15	<b>ECTS:</b>	<b>4</b>
<b>semester</b>	<b>4</b>	<b>Academic year</b>	<b>2</b>

Name/title of the author:	Gollinger- Tarajko Marta, Associate Professor; Wojnarowska Magdalena; MSc
Course Description:	The basic principles of sustainable development in Poland and the EU. Environmental hazards caused by emissions into air, water and soil, and methods to reduce these risks. Environmental organizations and basic legal documents governing protection of the environment in Poland.
Learning Outcomes (Goals and Objectives of the course):	The student has knowledge of the basic principles of sustainable development, about implementation of this strategy in Poland and EU. He knows hazards to the environment components caused by releases to air, water and soil. Student knows the possibilities of counteraction/limitation of these hazards and will be lectured on basics of water supply and sewerage, and solid waste management. Student also will acquire knowledge of environment protection organizations and basic legal documents governing protection of the environment in Poland.
Entrance qualifications:	Fundamentals of chemistry, physics, microbiology, industrial processes engineering and technology.
Course Content:	Sustainable development. Feasibility of the strategy of sustainable development. Indicators of sustainable development-global, national and local. National Environmental Policy. Global threats (climate change, destruction of the ozone layer, acid deposition). Classification of dangerous substances - basic toxicology. Environmental monitoring. Conventional energy and renewable energy. Radioactivity. Noise and vibration. Water supply and sewerage. Rational waste management. Integrated Pollution Prevention Control.
Assessment policy (examination):	Written exam; written tests; individual tasks and small group projects
Course materials/bibliography:	Ochrona środowiska- J. Boć. K. Nowacki, wyd. Kolonia Limited 2008 Podstawy gospodarki odpadami- Cz. Rosik- Dulewska wyd. PWN 2006 Wskaźniki ekorozwoju- red. T. Borys, wyd. Ekonomia i Środowisko 2002
Methods of Instruction:	Lecture and presentation; group work; discussion; case studies
Notes / suggestions:	

