

**SYLLABUS**  
**and description of course**

Title of course:	<i>Environmental Protection</i>
Code of course:	<i>PMEKONE501</i>
Lecture numbers/week:	<i>2</i>
Number of credit:	<i>3</i>
Type of specialization:	<i>any engineering major</i>
Form:	<i>regular</i>
Requirement:	<i>exam</i>
Semester:	<i>Spring</i>
Language:	<i>English</i>
Advance subjects (requirements):	-
The department of course:	<i>Environmental Engineering</i>
Tutor:	<i>Tibor Pécz MSc research assistant</i>
<b>Short description:</b> Concepts and fields of environmental protection. Global problems. The elements of environment, its characteristics and pollution data. The process of pollution. The regulation of environmental protection in Hungary.	
<b>Purpose:</b> To give a basic knowledge of environmental processes and environmental protection to any specialization of engineering student.	
<b>Education method:</b> Oral interpretation using Microsoft Power Point presentation and occasionally visiting in works, service companies.	
<b>Requirements during semester:</b> Visiting lectures. Writing an essay and making a presentation on an environmental problem.	
<b>Requirements during examination season:</b> Written exam 100/min. 51 points. Marks: 88-100 5 77-87 4 66-76 3 51-65 2 50- 0 1	
<b>Additional possibilities:</b> The essay and the presentation can be remedied at a given day of the semester season. The written exam can be remedied according to the TVSZ.	
<b>Consultation:</b> Working hours in office personally (B007) and via course mail and e-mail (regruta@gamma.ttk.pte.hu).	

**Available literature:**

Moser, M. (1997): *Circulations in Nature and Society*. Környezetvédelmi és Területfejlesztési Minisztérium. Budapest.

Rausz, A. (ed.) (2005): *Environmental Statistical Yearbook of Hungary 2004*. Hungarian Central Statistical Office. Budapest.

Miller, G. T.(1982): *Living in the Environment*. Wadsworth Publishing Company. Belmont. California.

**2014-2015 Academic year Spring semester**

Type of course	Tutor(s)	Day/Hour	Location	Extra information
lecture	Tibor Pécz	Thursday from 13.00 pm to 14.30 pm	A217	-
Schedule of course				
Week	Lecture	Practice	Laboratory	
1.	Introduction	-	-	
2.	The history of environmental protection. Juristical regulation and institution of environmental protection in Hungary.	-	-	
3.	Global problems I.	-	-	
4.	Global problems II.	-	-	
5.	Basic concepts. Process of pollution.	-	-	
6.	Atmosphere and its processes I.	-	-	
7.	Atmosphere and its processes II.	-	-	
8.	Water protection I.	-	-	
9.	Water protection II.	-	-	
10.	<i>Spring Break.</i>	-	-	
11.	Land and soil protection.	-	-	
12.	Waste treatment and management. Noise and vibration.	-	-	
13.	New fields in the Environmental Protection	-	-	
14.	Renewable energy sources.	-	-	
15.	Environmental impact assessment, revision, auditation.	-	-	

I reserve the right of changing the schedule of course.

Pécs, 02/02/2015

Tibor Pécz  
research assistant