UNIVERSITY OF PANNONIA

COURSE DATASHEET

Semester:	2016/17/1
Course:	Environmental-informatics I.
Code:	VEMKKVB132I
Responsible department:	Department of Environmental Engineering
Department code:	MKKV
Responsible instructor:	dr. Endre Gábor Domokos

Course objectives:

The aim of the course is that the students learn use engineering designer and calculus software's. After the successful tests the students can use this software's for their engineering works.

Course content:

1. Engineering numerical solving software basic: menus, structure 2. Engineering numerical solving software basic: simple calculations 3. Engineering numerical solving software basic: differential equations 4. Engineering numerical solving software basic: programming – conditional branches 5. Engineering numerical solving software basic: programming – cycles 6. Engineering numerical solving software basic: graphics 7. Engineering numerical solving software basic: solver 8. Test 9. Engineering designer software basic: menus, structure 10. Engineering designer software basic: drawing two-dimensional figure 11. Engineering designer software basic: dimensioning 12. Engineering designer software basic: drawing three-dimensional figure 13. Engineering designer software basic: structural attributes 14. Engineering designer software basic: rendering 15. Test

Requirements, evaluation and grading:

According to the requirements of fulfillment.

Required and recommended readings:

Getting started with Matlab, Version 12, The MathWorks, Inc.,2004 Pintér Miklós: AutoCAD 2004, Felhasználói ismeretek, ComputerBooks Kft., 2004