



## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/1
<b>Subject:</b>	Environmental-informatics I.
<b>Code:</b>	VEMKKVB132I
<b>Responsible department:</b>	Department of Environmental Engineering
<b>Responsible department code:</b>	MKKV
<b>Responsible lecturer:</b>	dr. Endre Domokos

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### Educational 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.

### Detailed content of the subject:

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:

2 tests ( $\geq 50\%$  average)

### Required and suggested references:

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