UNIVERSITY OF PANNONIA

SUBJECT DATASHEET

Semester: 2010/11/1

Subject: Engineering Informatics

Code: VEMKKVM122I

Responsible department: Department of Environmental Engineering

Responsible department code: MKKV

Responsible lecturer: dr. Endre Domokos

Educational objectives:

The aim of the course is that the future engineer finding employment in middle or top management would become familiar with the modern notions of informatics.

Detailed content of the subject:

1. In the first third of the course the students will learn about the main functions of engineering (planning, controlling and analytical) software as well as about the up-to-date systems of management and project management. After the practical presentations the students should be able to make or prepare highly responsible decisions regarding their firm's engineering software farm. 2. In the second third the students will become familiar with the steps of native program development and learn to create exact task specification for solving engineering tasks. With this knowledge they would be able to assign work appropriately to their computer engineering colleagues. 3. In the third part of the course the students are to create a decision preparation material and a task specification of engineering informatics as an independent exercise

Requirements:

Article on usage of engineering software.

Required and suggested references:

Daniel E. O'Leary: Enterprise Resource Planning Systems: Systems, Life Cycle, Electronic Commerce, and Risk, Cambridge University Press, 2000 (ISBN: 0-5217-9152-9) Mary Sumner: Enterprise Resource Planning, Prentice Hall, 2004 (ISBN: 0-1314-0343-5) Scott Berkun: The Art of Project Management, O'Reilly, 2005 (ISBN: 0-5960-0786-8) Robert L. Glass: Facts and Fallacies of Software Engineering, Addison-Wesley Professional, 2002 (ISBN: 0-3211-1742-5)