



SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Engineering on the Internet
Code:	VEMKFO4233I
Responsible department:	Department of Process Engineering
Responsible department code:	MKFO
Responsible lecturer:	dr. Balázs Feil

Educational objectives:

Introduction to internet services useful in engineering practice.

Detailed content of the subject:

History and development of the Internet and its services. The structure of the Internet. Hardware and software requirements of Internet services. Basic Internet services (E-mail, mailing lists, NEWS). Basic Internet services (Ssh, FTP, WWW etc.). Engineering WWW services. Searching for information on engineering training (scholarships, applications etc.). Specialized engineering literature services (publishers, libraries, patent collections etc.). Free engineering databases (physical properties, standards, patents etc.). On-line softwares, educational materials. SQL databases. SQL databases through the Internet. Basics of webpage construction. Dynamic webpage construction.

Requirements:

The attendance of the lectures is obligatory. Grading is based on one written examination and one home made exercise. The final mark is determined according to following table based on the weighted average of the points obtained in the examination (60%) and on the presentation on the solved exercise (40%): % final mark above 80 excellent (5) 70-79 good (4) 60-69 medium (3) 50-59 pass (2) below 50 fail (1)

Required and suggested references:

Lengyel Veronika: Az INTERNET világa, Computerbooks, Budapest, 1998; Móricz Attila INTERNET a gyakorlatban, LSI Oktatóközpont, 2001; Pétery Kristóf: FRONTPAGE 2000 a weblapkészítés és a karbantartás eszköze; MySQL reference manual, <http://www.mysql.com>; PHP kézikönyv, <http://www.php.net/manual/hu>.