



SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Chemical plants
Code:	VEMLMUB145V
Responsible department:	Department of Chemical Engineering Science
Responsible department code:	MKMU
Responsible lecturer:	dr. Géza Horváth

Educational objectives:

Introduction to the operation of chemical plants.

Detailed content of the subject:

1. The structure and operation of manufactories 2. Establishment of a manufactory, the stages and legal regulation of the establishment 3. Preparing and organizing investments 4. Economic analysis 5. Cost estimation of equipments 6. Operating costs 7. Inflation 8. Choosing the place for the plant, Exam 9. Technical design 10. Introduction in architecture 11. Public services 12. Transportation, maintenance, storage 13. Improvement, quality management, accreditation 14. Operation of different firms 15. Exam

Requirements:

Two mid-term papers must be written, one personal task accomplished.

Required and suggested references:

Modern Cost Engineering McGraw-Hill P. Co. N.Y. Chemical Engineers' Handbook Perry&Chilton