



COURSE DATASHEET

Semester:	2013/14/1
Course:	Chemical plants
Code:	VEMKMUB145V
Responsible department:	Department of Chemical Engineering Science
Department code:	MKMU
Responsible instructor:	dr. Géza Horváth

Course objectives:

Introduction to the operation of chemical plants.

Course content:

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, evaluation and grading:

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

Required and recommended readings:

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