



## COURSE DATASHEET

<b>Semester:</b>	2012/13/1
<b>Course:</b>	Chemical plants
<b>Code:</b>	VEMKMUB145V
<b>Responsible department:</b>	Department of Chemical Engineering Science
<b>Department code:</b>	MKMU
<b>Responsible instructor:</b>	dr. Géza Horváth

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### 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