



COURSE DATASHEET

Semester:	2015/16/1
Course:	Petrochemical products and technologies
Code:	VEMKOLT112T
Responsible department:	Department of Hydrocarbon and Coal Processing
Department code:	MKOL
Responsible instructor:	István Kátai

Course objectives:

Introduction of petrochemical products and their application areas. Introduction of petrochemical technologies.

Course content:

Scope of Petrochemicals
Polymer & Olefin markets
STEAM CRACKING OF HYDROCARBONS
Theory and industrial practice
Feedstock, products, processes applied
Polymer production technologies (LDPE, HDPE, PP)
Products types, properties and application areas, applied processes
Polymer additives
PVC MANUFACTURING
Production of EDC and VCM
Other Petrochemical Technologies (processes, application areas)
Styrene, Butadiene, Polystyrene, Synthetic Rubbers, Aromatics

Requirements, evaluation and grading:

The whole content of lectures is included in the written examination.
Grading is based on the written final examination.
The final mark is determined according to the following table based on the examination:

points	final mark
above 80	excellent (5)
70-79	good (4)
60-69	medium (3)
50-59	pass (2)
below 50	fail (1)

Required and recommended readings:



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