



## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/1
<b>Subject:</b>	Optimalisation in Oil Industry
<b>Code:</b>	VEMKOLB114O
<b>Responsible department:</b>	Department of Hydrocarbon and Coal Processing
<b>Responsible department code:</b>	MKOL
<b>Responsible lecturer:</b>	László Galambos

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### Educational objectives:

Presentation of the optimization of whole value chain of the hydrocarbon industry (crude oil supply, crude processing, product marketing), of the maximization of the company profit, and the maximal utilization of the assets and process units (practical oriented education).

### Detailed content of the subject:

### Requirements:

### Required and suggested references:

- J. H. Gary, G. E. Handwerk, M. J. Kaiser: Petroleum Refining Technology and Economics, CRC Press, New York, 2007. - Peters & Timmerhaus: Product and Process Design Principles, McGraw-Hill Handbook, New York, 2003. - Jones, T.C.: Diesel Plant Operations Handbook, McGraw-Hill Inc., N.Y., 1991. - Mc Ketta, J.: Petroleum Processing Handbook, Marcell Dekker, 1992. - Meyers, R.A.: Handbook of petroleum Refining Processes, McGraw-Hill Inc., N.Y., Toronto, 1996. - Speight, J.G.: Petroleum Chemistry and Refining, Taylor and Francis 1998.