UNIVERSITY OF PANNONIA

SUBJECT DATASHEET

Semester:	2010/11/1
Subject:	Selected chemical technologies laboratory practice
Code:	VEMKTEB136A
Responsible department:	Department of Hydrocarbon and Coal Processing
Responsible department code:	MKOL
Responsible lecturer:	Dr. Jenő Hancsók

Educational objectives:

Calculation of laboratory practice

Detailed content of the subject:

Detailed content of the subject
1. Introduction, prevention of accident.
2. Benzene saturating isomerization (with calculation methods)
Laboratory leader: Dr. Jenő Hancsók
3. Hydrogenation of FCC gasolines (with calculation methods)
Laboratory leader: Dr. Jenő Hancsók
4. Hydrogenation of middle distillates (with calculation methods)
Laboratory leader: Dr. Jenő Hancsók
5. Glass industry technologies (with calculation methods)
Laboratory leader: Dr. Tamás Korim
6. Ceramic industry technologies (with calculation methods)
Laboratory leader: Dr. Tamás Korim
7. Catalytic Aftertreatment of exhaust gases (with calculation methods)
Laboratory leader: Dr. József Kovács
8. Catalytic decomposition of natural gases (with calculation methods)
Laboratory leader: Dr. József Kovács
9. Application of closed radiation sources in industrial technologies (with calculation methods)
Laboratory leader: dr. Zoltán Németh
10. Contamination and decontamination in nuclear power plant (with calculation methods)
Laboratory leader: Krisztián Radó
11. Investigation of rectification (with calculation methods)
Laboratory leader: Dr. László Szokonya
12. Liquid adsorption technologies (with calculation methods)
Laboratory leader: Dr. László Szokony
13. Homogeny catalytic hydroformilation (with calculation methods)
Laboratory leader: Dr. Szilárd Tőrös
14. Friedel-Crafts acylation in cascade reactor line (with calculation methods)
Laboratory leader: Dr. József Bakos
15. Examination

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Requirements:

grade calculation: measurement results 66% , theoretical knowledge 34%. (both ; min. 50%)

Required and suggested references:

Kötelező és ajánlott irodalom: A technológiai mérések leírásai, amelyeket előzetesen a mérésvezető legalább 1 héttel a mérés megkezdése előtt a hallgatók rendelkezésére bocsátja. Lásd még a Válogatott vegyipari technológiák című tantárgy előadásai.