

t.VT - Verfahrenstechnik

Person responsible for the course:	Markus Weber Sutter, webm
Credits:	4
Valid for:	2010/2011
Last saved:	09.09.2010 18:35

Learning objectives:

Gaining knowledge of mechanical and thermal process engineering that is at the same time fundamental and somehow encompassing as well as thorough and detailed with respect to a limited number of selected subjects. The emphasis will be on aspects that are relevant to the manufacturing and processing of special materials.

Course content:

 Mechanical process engineering chracterization of dispersed systems sieves and mechanical separation by the use of sieves phase separation - processing and apparatus mixing and stirring fragmentation

2) Thermal process engineering thermodynamic phase behavior of multi-component systems thermal separation processes kinectics of mass transfer

Previous knowledge:

Besides having been screwing around at least for one year in any natural science or engineering major, none (i.e. we will accept anyone who is not a clueless idiot).

Type of lesson:	Number of lessons per week:
Lecture	14 x 3
Tutorial/Practicum	14 x 1
Group teaching	
Block instruction	
Seminar	

Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Туре	Weighting
1	End of term exam	100%
	Exam during the semester	
	Further assessments	

Language of instruction:

German (in case of a significant fraction of international students, English is an option)

Instruction material:

lecture notes of Prof. em. Dr. A. Stuecheli

appropriate textbooks will be recommended

There will be homework problems that are not mandatory.

Comments:

It will be at the lecturer's discretion to assign to any student a grade that is higher than the one this student achieved in the final exam due to his or her substantial contributions during classes when working through the homework examples.