

COURSE CODE	<b>XE784</b>	SEMESTER	<b>6<sup>th</sup></b>
COURSE TITLE	<b>CHEMICAL PROCESSES of CHEMICAL TECHNOLOGY</b>		

<p>SUGGESTED TEXTBOOK IN ENGLISH (will be provided to the Erasmus students on loan by the library for the whole period of studies at Upatras)</p>	<p><b><i>Octave Levenspiel "CHEMICAL REACTION ENGINEERING" 3<sup>rd</sup> edition, Published by John Wiley &amp; Sons</i></b></p> <p>CHAPTERS covering the syllabus:</p> <p>Ch. 1- Overview of Chemical Reactor Engineering  Ch. 2- Kinetics of Homogeneous Reactions  Ch. 3- Interpretation of Batch Reactor Data  Ch. 4- Introduction to Reactor Design  Ch. 5- Ideal Reactors for a Single Reaction  Ch. 6- Design for Single Reactions  Ch. 7- Design for Parallel Reactions  Ch. 8- Potpourri of Multiple Reactions  Ch. 9- Temperature and Pressure Effects  Ch. 10- Choosing the Right Kind of Reactor  Ch. 11- Basics of Non-Ideal Flow  Ch. 17- Heterogeneous Chemical Reactions—Introduction  Ch. 18- Solid Catalyzed Reactions  Ch. 19- The Packed Bed Catalytic Reactor</p>
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