

<b>COURSE CODE</b>	<b>XE571</b>	<b>SEMESTER</b>	<b>5<sup>th</sup></b>
<b>COURSE TITLE</b>	<b>CHEMISTRY &amp; TECHNOLOGY OF MATERIALS</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>William D. Callister, Jr. "MATERIAS SCIENCE AND ENGINEERING AN INTRODUCTION" 5<sup>th</sup> Edition, John Wiley &amp; Sons. Inc.</i></b></p> <p>CHAPTERS covering the syllabus: Ch. 13- Structure and Properties of Ceramics Ch. 14- Applications and Processing of Ceramics</p> <p><b><i>Gadi Rothenberg, "CATALYSIS", Published by WILEY – VCH.</i></b></p> <p>CHAPTERS covering the syllabus: Ch. 4.1.1- The Concept of the Active Site Ch. 4.1.2- Model Catalyst Systems Ch. 4.1.3- Real Catalysts: Promoters, Modifiers, and Poisons Ch. 4.1.4- Preparation of Solid Catalysts: Black Magic Revealed Ch. 4.1.5- Selecting the Right Support Ch. 4.1.6- Catalyst Characterization</p> <p><b><i>Paul C. Hiemenz, Timothy P. Lodge, "POLYMER CHEMISTRY", 2<sup>nd</sup> Edition, Published by CRC Press-Taylor &amp; Francis Group.</i></b></p> <p>CHAPTERS covering the syllabus: Ch. 1.- Introduction to Chain Molecules Ch. 7.- Thermodynamics of Polymer Solutions Ch. 9.- Dynamics of Dilute Polymer Solutions Ch. 12- Glass Transition Ch. 13- Crystalline Polymers</p>
---	--