

COURSE CODE	XE792	SEMESTER	7th
COURSE TITLE	CATALYSIS and GREEN CHEMISTRY		

<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>BOOK 1 Organotransition Metal Chemistry: From Bonding to Catalysis 1st Edition John Hartwig (author) ISBN-13: 978-1891389535 / ISBN-10: 189138953X 2009 1128 pages</p>
	<p>BOOK 2 Catalysis: From Principles to Applications Matthias Beller (Editor), Albert Renken (Editor), Rutger A. van Santen (Editor) ISBN: 978-3-527-32349-4 2012 664 pages</p>
	<p>BOOK 1 14.1 Principles of Catalysis 16.6 Oxidative transformations 15.5 Hydrogenation 17.3 Hydroformylation 19.1, 19.2, 19.4 Cross coupling reactions 21.1, 21.2 Olefin metathesis</p> <p>BOOK 2 Chapter 5 Heterogeneous Catalysis Chapter 6 Organocatalysis Chapter 8 Electrocatalysis Chapter 9 Heterogeneous Photocatalysis Chapter 20 Preparation of Supported Catalysts Chapter 21 Porous Materials as Catalysts and Catalysts Supports Chapter 22 Development of Catalytic Materials</p>