

	2017		2		CHEB306		01
							3-0-3
	(14:00 15:15) - [111]						

E-Mail	KIMWB@POSTECH.AC.KR	Homepage	HTTP://CELAB.POSTECH.AC.KR
			054-279-2397
Office Hours	11:00- 12:00		

	90%		

/

가
20%, 30%, Term-paper report (catalyst applications) 30%, 20%

				ISBN
Elements of Chemical Reaction Engineering	H. S. Fogler	Pearson	2014	

--	--	--	--	--

J.R.H. Ross, "Heterogeneous Catalysis: Fundamentals and Applications", Elsevier, 2012

1. Overview of chemical reaction engineering#
2. Introduction to catalysis and catalytic reactions#
3. Fundamentals of catalysis and catalytic reactors#

	2017		2		CHEB306		01	
								3-0-3
	(14:00 15:15) -							[111]

4. Diffusion and mass transfer effects on heterogeneous reactions#
5. Catalyst preparation, structure, and properties,#
6. Catalyst surface and adsorption#
7. The kinetics and mechanisms of catalytic reactions#
8. Large scale catalytic reactors

PPT presentation, #

15

Term paper

Catalytic reactor simulation team project 가 .

#