

FACULTY OF ENGINEERING
1st Year 1st Semester

KIM 151 Chemistry Laboratory					FACULTY OF ENGINEERING				
Semester	Methods of Education						Credits		
	Lecture	Recit.	Lab.	Project/ Field Study	Homework	Other	Total	Credit	ECTS Credit
1	-	-	28	2			30	0	1.0
Language	English								
Compulsory / Elective	Compulsory								
Prerequisites	None								
Course Contents	Identification of Matter with Chemical and Physical Properties, Purification Methods in Chemistry, Crystallization, Diffusion, Stoichiometry, Determination of Ideal Gas Constant, Effect of Temperature on Reaction Rate, Indicators and Determination of pKa, Acid-Base Titration, Chemical Equilibrium								
Course Objectives									
Learning Outcomes and Competences									
Textbook and /or Reference	List and Manual of Experiment								
Assessment Criteria						If any, mark as (x)		Percentage (%)	
	Midterm Exams					X		60	
	Quizzes								
	Homeworks								
	Projects								
	Term Paper								
	Laboratory Work								
	Other								
Final Exam					X		40		
Week	Subject								
1	Acquaintance and preparation								
2	Acquaintance and preparation								
3	Identification of matter with chemical and physical properties								
4	Purification methods in chemistry, crystallization								
5	Diffusion								
6	Stoichiometry								
7	Determination of ideal gas constant								
8	Effect of temperature on reaction rate								
9	Indicator and Determination of pKa								
10	Acid-base titration								
11	Chemical Equilibrium								
12	Application								
13	Application								
14	Application								