National Yunlin University of Science and Technology
Department of Chemical and Materials Engineering
Course Plan Flow Chart for Graduate study

Academic Year I		Academic Year II	
1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
	Obligatory Coruses	s (Total 9 credits)	
Seminar ()	Seminar (二)	Seminar (Ξ)	
2-0-1	2-0-1	2-0-1	
		Thesis $(-)$	Thesis (二)
		3-0-3	3-0-3
	Elective Courses (Mini	mal 25 credits required)	505
Advanced Transport	Advanced chemical	mai 25 creatts required)	
Dhanomana	Advanced chemical		Seminar (四)
			2-0-1
S-U-S	S-0-5 Special Tamics on Safety		
Advance Thermodynamics	Special Topics of Safety		
	Design of Chemical Process		
3-0-3	3-0-3		
Advanced Polvmer			Characteristics And
Chemistry	Polymer Characterization	Macromolecular Rheology	Analysis Of Microstructure
3-0-3	3-0-3	3-0-3	Of matenols
5 6 5			3-0-3
Special topics on organic	Special topic on surface	Special topic on rubber	
synilesis	Chemistry	materials	
3-0-3	3-0-3	3-0-3	
Advanced notimer scient-	Special topic on functional	Reaction engineering for	
Advanced polymer science	polymer	polymerization	
3-0-3	3-0-3	3-0-3	
Special Topics on	Special topic on electrode	Special topic on chemical	
Composite Materials	material	sensor	
3-0-3	3-0-3	3-0-3	
Special topic irrorganic	Nanostructured Materials		
materials	Chemistry		
3-0-3	3-0-3		
Multimedia Transport Of			
hazardous Waste			
3-0-3			
Corrosion prevention	Fire proof Explosion proof		
engineering	materials		
5-0-5			
	Hazard Evaluation for		
	Chemical Process Industries		
	3-0-3		
Special Topics of	Special topic on mass	Heterogeneous Catalysts	Fluidized engineering
Adsorptive Separation	transfer	3-0-3	3-0-3
3-0-3	3-0-3	505	505
Advanced Numerical	Applied Experimental	Non-linear process control	
Analysis	Design and Analysis		
3-0-3	3-0-3	3-0-3	
	Advanced Process Control		
	3-0-3		
Special Topics on	Food Chamber	Biochemical Separation	Biochemical Reaction
Biochemical Engineering	Food Chemistry	Processes	Engineering
3-0-3	3-0-3	3-0-3	3-0-3
	Special topic on		
	biolchemistry		
	3-0-3		
	Recombinant DNA		
Enzyme Engineering	technology		
3-0-3	3 0 3		
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elected to fulfill the requirement of graduate study.