

Flow up of implementation celli pass play

Course Instructor	Anees A. Khadom				
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Title	Equipment Design				
Course Coordinator	Annually				
Course Objective	Introduction to the nature and methodology of the design process, and its application to the design of chemical manufacturing processes.				
Course Description	Chemical Engineering Design covers the general area of Chemical Engineering Design, introducing a level of detailed practical and industrial information about standards and practices in design work. In addition to formal lectures, a large part of the learning takes the form of continuously assessed exercises, undertaken either on an individual or a group basis.				
Textbook	Chemical Engineering, Volume ٦, Fourth edition, Chemical Engineering Design, R. K. Sinnott.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	٣٠٪	٠	١٠٪	-	٦٠٪
General Notes	This subject is very important in understanding the principles and calculations of chemical engineering design.				

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Republic of Iraq
The Ministry Of Higher Education
& Scientific Research



University:
College:
Department:
Stage:
Lecturer name:
Qualification:
Place of work

Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
١	٢٤, Sep. ٢٠١٤	INTRODUCTION		
٢	٢٩, Sep. ٢٠١٤	Types of Designs		
٣	٠٦ Oct. ٢٠١٤	Feasibility Survey		
٤	١٣ Oct. ٢٠١٤	Equipment specifications		
٥	٢٠ Oct. ٢٠١٤	Fundamentals of Material Balances		
٦	٢٧, Oct. ٢٠١٤	Fundamentals of Energy Balances		
٧	٣ Nov. ٢٠١٤	Energy Utilisation		
٨	١٠, Nov. ٢٠١٤	Flow-sheeting		
٩	١٧ Nov. ٢٠١٤	Piping and Instrumentation		
١٠	٢٤ Nov. ٢٠١٤	Materials of Construction		
١١	٠١ Dec. ٢٠١٤	Design Information and Data		
١٢	٠٨ Dec. ٢٠١٤	Design Information and Data		
١٣	١٥, Dec. ٢٠١٤	Safety and Loss Prevention		
١٤	٢٢, Dec. ٢٠١٤	Equipment Selection, Specification and Design		
١٥	٢٩, Dec. ٢٠١٤	Equipment Selection, Specification and Design		
١٦	٠٥, Jun. ٢٠١٤	Separation Columns		
Half – year break				
١٧	١٦, Feb. ٢٠١٥	Distillation column		
١٨	٢٣, Feb. ٢٠١٥	Absorption column		
١٩	٠٢, Mar. ٢٠١٥	Extraction		

20	09, Mar. 2010	Heat-transfer Equipment		
21	23, Mar. 2010	Heat-transfer Equipment		
22	30, Mar. 2010 06, April, 2010	Heat-transfer Equipment		
23	08 and 13, April 2010	Mechanical Design of Process Equipment		
24	10 and 20, April 2010	Mechanical Design of Process Equipment		
25	21 and 27, April 2010	General Site Considerations		
26	29, April, 2010 04, May, 2010	General Site Considerations		
27	06, May, 2010	General Site Considerations		
28	13, May, 2010	Design group work		
29	20, May, 2010	Design group work		
30	27, May, 2010 01, June, 2010	Design group work		
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INSTRUCTOR Signature:

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