Graduation Project Information		
The type of graduation project has to be a capstone design. A capstone design project should be planned to provide a unified effort in developing: teamwork skills, multidisciplinary interaction, communication skills, fundamentals of engineering design processes, and application of engineering design principles to a real engineering project. The main objective is to enable students to experience real life engineering problem solving, design, team work, project execution and management.		
Semester	7th	8th
Course Name	**ChE 491 Graduation Project I**	**ChE 492 Graduation Project II**
Description	Select the graduation project from list of topics, define objectives and scope of the work, review relevant literature, initiate the project and submit a draft report.	Continuation of ChE 491 with comprehensive work on the selected topic, report writing, and oral presentation.
Credit hours	1	3
Prerequisite	100 credit hours has to be completed	ChE 491 Graduation Project I
Co-requisite	ChE 461 Chemical processes and plant design	
Topics	▪ - Problem Statement, Scope, General Info ▪ - Literature Review ▪ - Preparing Engineering Notebook ▪ - Planning and Generating a Progress Report ▪ - Design Review ▪ - Documenting a Final Report	• - Maintaining Engineering Notebook • - Developing Progress Report • - Analysis, Design and Implementation • - Results and Discussions • - Documenting a Final Report • - Preparing Poster • - Final Work Presentation
Student Outcomes	• - Outline contemporary issues related to the project topic • - Establish material balance for the process • - Choose the best suitable process among different alternatives • - Develop the PFD for the process • - Demonstrate capabilities to write a report	• - Design chemical engineering equipment with the required specifications • - Simulate the process using simulation tool • - Demonstrate capabilities to write a report • - Illustrate their work in a presentation • - Evaluate the economic benefits of the process in team work
Grading Policy **(Applicable from 2019/2020)**	• - Engineering Notebook 5% • - Peer Evaluation 5% • - Final Report (Supervisor 65% and Examiner 25%)	• - Engineering Notebook 5% • - Peer Evaluation 5% • - Final Report and Oral presentation (Supervisor 45% and Examiner 45%)
Academic Integrity	Students have the responsibility to read and observe the requirements of the Code (University policy) that prohibits cheating, plagiarism, abuse of academic materials, and complicity in academic dishonesty.	