



## Form: Course Syllabus

<b>Form Number</b>	EXC-01-02-02A
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<b>The Date of the Deans Council Approval Decision</b>	26/12/2023
<b>Number of Pages</b>	06

<b>1. Course Title</b>	<b>Special Topics in Chemical Engineering</b>
<b>2. Course Number</b>	0905781
<b>3. Credit Hours (Theory, Practical)</b>	(3,0)
<b>3. Contact Hours (Theory, Practical)</b>	(3,0)
<b>4. Prerequisites/ Corequisites</b>	
<b>5. Program Title</b>	M.Sc. in Chemical Engineering
<b>6. Program Code</b>	050
<b>7. School/ Center</b>	School of Engineering
<b>8. Department</b>	Department of Chemical Engineering
<b>9. Course Level</b>	Master
<b>10. Year of Study and Semester (s)</b>	
<b>11. Other Department(s) Involved in Teaching the Course</b>	
<b>12. Main Learning Language</b>	English
<b>13. Learning Types</b>	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
<b>14. Online Platforms(s)</b>	<input type="checkbox"/> Moodle <input type="checkbox"/> Microsoft Teams
<b>15. Issuing Date</b>	
<b>16. Revision Date</b>	

### 17. Course Coordinator:

Name:	Contact hours:
Office number:	Phone number:
Email:	



**18. Other Instructors:**

Name:

Office number:

Phone number:

Email:

Contact hours:

Name:

Office number:

Phone number:

Email:

Contact hours:

**19. Course Description:**

This course offers a specialized topic in one of the advanced fields of chemical engineering, with a new topic being selected each time the course is offered. Potential topics include, but are not limited to: plastics manufacturing engineering, environmental pollution control, factory hazards, mineral extraction and mining, renewable energy, and applications of artificial intelligence in chemical engineering, along with other related topics.

**20. Program Intended Learning Outcomes:** (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

- 1.
- 2.
- 3.
- 4.

**21. Course Intended Learning Outcomes:** (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

- 1.
- 2.
- 3.

4.

**22. The matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program:**

Program ILOs	ILO (1)	ILO (2)	ILO (3)	ILO (4)	ILO (5)
Course ILOs					
1					
2					
3					
4					
5					
6					
7					
8					



**23. Topic Outline and Schedule:**

Week	Lecture	Topic	IL/O/s Linked to the Topic	Learning Types (Face to Face/ Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Lecturing	Evaluation Methods	Learning Resources
1	1.1							
	1.2							
	1.3							
2	2.1							
	2.2							
	2.3							
3	3.1							
	3.2							
	3.3							
4	4.1							
	4.2							
	4.3							
5	5.1							
	5.2							
	5.3							
6	6.1							
	6.2							
	6.3							
7	7.1							
	7.2							
	7.3							
8	8.1							
	8.2							
	8.3							
9	9.1							
	9.2							
	9.3							
10	10.1							
	10.2							
	10.3							



11	11.1							
	11.2							
	11.3							
12	12.1							
	12.2							
	12.3							
13	13.1							
	13.2							
	13.3							
14	14.1							
	14.2							
	14.3							
15	15.1							
	15.2							
	15.3							

#### 24. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	ILO/s Linked to the Evaluation activity	Period (Week)	Platform

#### 25. Course Requirements:

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform...etc.):



**26. Course Policies:**

- A- Attendance policies:
- B- Absences from exams and submitting assignments on time:
- C- Health and safety procedures:
- D- Honesty policy regarding cheating, plagiarism, misbehavior:
- E- Grading policy:
- F- Available university services that support achievement in the course:

**27. References:**

- A- Required book(s), assigned reading and audio-visuals:

- B- Recommended books, materials, and media:

**28. Additional information:**

Name of the Instructor or the Course Coordinator:	Signature:	Date:
.....	.....	.....
Name of the Head of Quality Assurance Committee/ Department	Signature:	Date:
.....	.....	.....
Name of the Head of Department	Signature:	Date:
.....	.....	.....
Name of the Head of Quality Assurance Committee/ School or Center	Signature:	Date:
.....	.....	.....
Name of the Dean or the Director	Signature:	Date:
.....	.....	.....