



القائمة المقررات الاختيارية لقسم الهندسة الكيميائية

Level	Elective types	عدد الساعات المعتمدة Credit Hours	اسم المقرر Course name	رمز المقرر Course Code	م
8	CHE Elective	3	Petroleum Refining	CHE 461	1
8	CHE Elective	3	Petrochemical Industries	CHE 462	2
8	CHE Elective	3	Polymer Technology	CHE 463	3
8	CHE Elective	3	Catalysis & Catalytic Processes	CHE 464	4
8	CHE Elective	3	Corrosion	CHE 465	5
8	CHE Elective	3	Special Topics in Chemical Engineering I	CHE 498	6
8	CHE Elective	3	Membrane Processes Technology	CHE 431	7
6	CHE Elective	3	Process Air Pollution Cont.	CHE 470	8
6	CHE Elective	3	Process Water Pollution Cont.	CHE 471	9
6	CHE Elective	3	Desalination	CHE 473	10
8	CHE Elective	3	Special Topics in Chemical Engineering I	CHE 498	11
6	CHE Elective	3	Mathematical Methods in Chemical Engineering	CHE 453	12
8	CHE Elective	3	Chemical Process Simulation	CHE 455	13
8	CHE Elective	3	Industrial Process Control	CHE 456	14
6	CHE Elective	3	Chemical Engineering Optimization	CHE 457	15
6	CHE Elective	3	Special Topics in Chemical Engineering I	CHE 498	16
6 and 8	Free	3	to Sets and Structures Introduction	MATH 232	17
6 and 8	Free	3	Introduction to Linear Algebra	MATH 280	18
6 and 8	Free	3	Introduction to Numerical Computing	MATH 321	19
6 and 8	Free	3	Methods of Applied Mathematics II	MATH 401	20
6 and 8	Free	3	Introduction to Complex Variables	MATH 430	21
6 and 8	Free	3	Calculus of Variations and Optimal Control	MATH 442	22
6 and 8	Free	3	Partial Differential Equations	MATH 470	23
6 and 8	Free	3	Fundamentals of Computing	CSE 200	24
6 and 8	Free	3	Mechanical Engineering Drawing & Graphics	ME 210	25
6 and 8	Free	3	Principles of Marketing	MKT 250	26
6 and 8	Free	3	Business Communications	MGT 210	27
6 and 8	Free	3	Principles of Management	MGT 301	28
6 and 8	Free	3	Legal Environment	MGT 311	29
6 and 8	Free	3	Principles of Management Information Systems	MIS 215	30
6 and 8	Free	3	Work and Society	GS 221	31
6 and 8	Free	3	World Civilizations	GS 318	32
6 and 8	Free	3	Principles of Human Behavior	GS 321	33



Level	Elective types	عدد الساعات المعتمدة Credit Hours	اسم المقرر Course name	رمز المقرر Course Code	م
6 and 8	Free	3	Cultural Anthropology	GS 355	34
6 and 8	Free	3	GS 420: Personality Psychology	GS 420	35
6 and 8	Free	3	International Relations	GS 423	36
6 and 8	Free	3	Media & Society	GS 434	37
6 and 8	Free	3	Globalization	GS 447	38
6 and 8	Free	3	Introduction to Statistics	STAT 201	39
6 and 8	Free	3	Introduction to Probability Theory	STAT 301	40
6 and 8	Free	3	Probability and Statistics for Engineers and Scientist	STAT 319	41
6 and 8	Free	3	الشباب والمواطنة	SOC 250	42
6 and 8	Free	3	Mechanics of Machines	ME 201	43
6 and 8	Free	3	Fundamental of Computing	CSC 200	44

عميد كلية الهندسة

رئيس قسم الهندسة الكيميائية

د. سامي بن

د. علي حسين العطيه

مشعل ابن شمسه