Faculty of Engineering, Chemical Engineering Department Curriculum
(Intern Engineering Education- Plan B)

BADDELLIAC LONG Y LAX I		(Intern Engineering Education- Plan B)												
Diff Mode Mathemax Mathemax Diff Mode Mathemax Mathemax Diff Mode Mathemax Diff Mode Diff Mode <thdiff mode<="" th=""> Diff Mode Diff Mode<th></th><th>1. SEMESTER COURSE PLAN</th><th>L</th><th>U</th><th>С</th><th>ECTS</th><th></th><th></th><th>2. SEMESTER COURSE PLAN</th><th>L</th><th>U</th><th>С</th><th>ECTS</th><th></th></thdiff>		1. SEMESTER COURSE PLAN	L	U	С	ECTS			2. SEMESTER COURSE PLAN	L	U	С	ECTS	
Bit No.General ConstantGeneral ConstantSet of the constant of actional set of the constant of actional set of constant	CHE-1001	Mathematics I	2	2	3	5	Mandatory	CHE-1002		2	2	3	5	Mandato
IIII 000Isochecke on framework of constant directory2213Crained of contractorine221133<	CHE-1003													Mandato
HarmonyHarmonyPOPP <t< td=""><td>CHE-1005</td><td>General Chemistry I</td><td>2</td><td>2</td><td>3</td><td>5</td><td></td><td>CHE-1006</td><td></td><td>2</td><td>2</td><td>3</td><td>5</td><td>Mandato</td></t<>	CHE-1005	General Chemistry I	2	2	3	5		CHE-1006		2	2	3	5	Mandato
NAMONRecomp MColumn M </td <td>CHE-1007</td> <td></td> <td>2</td> <td>0</td> <td>2</td> <td>4</td> <td>-</td> <td>CHE-1008</td> <td>Drawing Laboratory</td> <td>2</td> <td>2</td> <td>3</td> <td>6</td> <td></td>	CHE-1007		2	0	2	4	-	CHE-1008	Drawing Laboratory	2	2	3	6	
00 100 Equip1 2 0 2 0 2 0 2 0 0 0 0 111100 Control Conserve Locatory 0	ATA-1001		2	0	2	1	Mandatory	ATA-1002		2	0	2	1	Mandato
minor <th< td=""><td>TDI-1001</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>Mandato</td></th<>	TDI-1001												-	Mandato
Br. Dim Technologies and Application 4 V V V V <														
PartonPart	CHE-1009		2	2	0	3	Mundatory	CHE-1016	General Physics Laboratory	0	2	1	4	Mandato
Hando Normal Particle Normal P	CHE-1017				-	-							1	Mandato
BartonNameNomeNomeNomeNomeNomeNomeNo <t< td=""><td>CHE-1013</td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td>1</td><td></td></t<>	CHE-1013		_								-		1	
THE DUIP Camer Pauming P D Decrem ASSURPT RE OUTS SPOR SPARTER 16 0 16 0 16 0						1							1	
TOTAL CREDITS FOR SEMISTER 16 10 18 20 Image: Constraint of the co		č				1	Phythese	CHE-1050	Systems in Engineering	2	0	0	1	Elective
AstAthsTER COURSE FLAN L V K ECN 111: 2011 Differentia Equation 2 2 3 5 Manual org CHE 2003 Applicable Chemistry 2 2 3 5 Manual org CHE 2007 Physical Chemistry 2 2 3 5 Manual org CHE 2007 Physical Chemistry 2 2 3 4 Manual org CHE 2007 Physical Chemistry 2 2 3 4 Manual org CHE 2007 Intramental Analysis Laboratory 0 2 2 3 4 Manual org THE 2001 Technical Equity 2 0 2 2 Manual org THE 2001 Intramental Analysis Laboratory 0 2 2 Manual org THE 2001 Manual org 2 0 2 2 Manual org THE 2001 Manual org 2 0 2 2 Manual org THE 2001 <	CHE-1019						Elective			16	10	19	30	
1111 2010 Parterial Egenine 1 0 4 5 Mandary 1112 2015 Physical Cheminy 2 2 3 4 Mandary 0 2 1 0 Physical Cheminy 0 2 1 0 Physical Cheminy 0 2 1 1 A Mandary 1112 2017 Physical Cheminy 2 2 3 4 Mandary 2 2 3 4 Mandary 1112 2017 Intramental Analysis 2 0 2 3 Mandary 2 2 3 4 Mandary 1112 2017 Intramental Analysis Laboratory 0 2 2 3 Mandary 2 0 2 2 3 Mandary 1112 2017 Intramental Analysis Laboratory 0 2 2 3 Mandary 2 0 2 2 3 Mandary 1112 2017 Intramental Analysis Laboratory 2 0 2 2 1 Mandary 2 0 2 2 1 Mandary						FCTS			4. SEMESTER COURSE	т			FCTS	
1111:2013 Analysical Chemistry 2 2 3 5 Mandary CHE 2004 Analysical Chemistry 0 2 1 2 0 1111:2014 Periodic Chemistry 2 2 2 2 2 2 2 2 2 3 4 Mandary 111:2014 Chemistral English 2 0 2 2 3 4 Mandary 111:2014 Chemistral English 2 0 2 2 Mandary 111:2014 Enertie 2 0 2 2 Mandary Mandary 111:2014 Enertie 2 0 2 2 Mandary 111:2014 Reader Same Marking 2 0 2 2 Mandary 111:2014 Reader Same Marking 2 0 2 2 Enerite 1111 2 0 2 2 Mandary 111:2014 Mandary 2 0 2 2 3 5 Mandary 111:2014 Mandary Mandary	CHE 2001						Mondotom	CHE 2002						Mandata
Amb Amb Amb Chill Control Labelatory 0 2 1 2 The 2007 Operating Committy 2 2 3 4 Mandary HE-2007 Decision Hild Mechanics 2 0 2 3 4 Mandary HE-2017 Decision Hild Mechanics 2 0 2 3 4 Mandary HE-2017 Decision Hild Mechanics Decision Decision Decision Hild Mechanics Decision Hild Mechanics Decision		· · · · · · · · · · · · · · · · · · ·	1							1	1			Mandato
The 2007 Instrumental Analysis 2 2 3 4 Mandary (THE 2007 Pher2009 Corportional Health and Sofey I 2 0 2 0 2 0 2 2 2 0 4 Mandary THE 2001 Technical English 2 0 2 0 2 0 4 4 Mandary THE 2017 Technical English 2 0 2 2 2 Mandary Elective 2 0 2 2 2 Mandary Elective 2 0 2 2 2 Mandary HE 2017 Report Writey Technique 2 0 2 2 Elective 2 0 2 2 2 Mandary HE 2017 Report Writey Technique 2 0 2 2 2 Elective 2 0 2 2 2 2 Elective HE 2017 Report Writey Technique and Man Fra		• •							Laboratory			-		
THE-2009 Occupational Health and Safery I 2 0 2 0 2 0 2 0 2 0 <td></td> <td>Mandate</td>														Mandate
HB-300 Output State Series 2 0 2 2 4 Mandarry HE-2011 Checka English 0 2 1 4 Mandarry CHE-301 Oppart Chemistry and Data Series 2 2 3 4 Mandarry HE-2011 Checka English 2 0 2 1 4 Mandarry CHE-301 Oppart Chemistry and Data Series 4 Mandarry HE-2011 Checka English 2 0 2 2 4 Mandarry HE-2011 Checka English 2 0 2 2 Mandarry Elective 2 0 2 2 Mandarry HE-2017 Report Wring Techninge 2 0 2 2 2 Mandarry HE-2017 States Law 2 0 2 2 2 Elective 2 0 2														
CHE-2013 Instrumental Analysis Labonaroy 0 2 2 1 4 Mandroy Elective 2 0 2 2 2 Mandroy 2 0 0 2 0<						2	-		Safety II				2	minut
HE:DB: Instrumental Analysis Laboratory 0 2 1 4 1 4 1 4 1 4 1	CHE-2011	Technical English	2	0	2	3		CHE-2012		2	2	3	4	Mandat
Laboratory Laboratory <thlaboratory< th=""> Laboratory Laborato</thlaboratory<>	CHE-2013	Instrumental Analysis Laboratory	0	2	1	4	Mandatory	CHE-2014		0	4	2	3	Mandate
Elective 2 0 2 2 2 Mandardy HE-2017 Report Writing Techniqge 2 0 2 2 2 Mandardy HE-2017 Report Writing Techniqge 2 0 2 2 2 Elective 2 0 2 2 Mandardy HE-2012 Quilty Mangement 2 0 2 2 2 Elective 2 0 2 2 Elective HE-2012 Workplace R& Amalyson 2 0 2 2 2 Elective TOTAL CREDITS FOR SEMESTER 16 0 2 2 3 5 Mandardy HE-3001 Derencal Reaction Engineering 2 2 3 5 Mandardy HE-3011 Encreval 2 3 5 Mandardy HE-3010 Cherneral Reaction Engineering 2 2 3 5 Mandardy HE-3010 Manderory 2 0 2<									Laboratory					
Incomposition Incompos														
HE: 2017 Repert Weining Technique 2 0 0		Elective	2	0	2	2	Mandatory							Mandat
HE-2023 Quality Management 2 0 2 2 Elective HE-2023 Morighas Risk Analysis 2 0 2 2 Elective HE-2023 Morighas Risk Analysis 2 0 2 2 Elective HE-2024 Boos Technology 2 0 2 2 Elective HE-2025 Morighas Risk Analysis 1 0 2 2 Elective HE-2026 Boos Technology 2 0 2 2 Elective HE-2026 Morighas Risk Analysis L 0 2 Z Elective HE-2026 Morighas Risk Analysis L 0 2 Z Elective HE-2027 Morighas Risk Analysis L V K KCT HE-2020 Thermologunatic II C Z S Mandatory HE-2037 Rescord Design 3 Z A G Mandatory LE-2048 Rescord Design Z D Z Mandatory Elective Z D Z </td <td>CHE-2017</td> <td>Report Writing Technique</td> <td>2</td> <td>0</td> <td>2</td> <td>2</td> <td>Elective</td> <td>CHE-2016</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>Elective</td>	CHE-2017	Report Writing Technique	2	0	2	2	Elective	CHE-2016		_				Elective
HE-D203 Bosines Law 2 0 2 2 Elective HE-D205 Moriples Risk Analysis 2 0 2 2 Elective HE-D205 Moriples Risk Analysis 2 0 2 2 Elective HE-D205 Moriples Risk Analysis 2 0 2 0 2 0 2 2 0 2 0 2 2 2 Elective HE-D205 Moriples Risk Analysis I U V K CHE-D204 Perroken Richenstry 2 0 2 2 Elective SIAMESTER COURSE PLAN L U K KCT K CHE-D204 Reactor Design 2 1 0	CHE-2019	Statistics and Probability												Elective
HE-2025 Workplace Rais Analysis 2 0 2 2 Elective HE-2025 Ortholes Resister Analysis 2 0 0											_			Elective
Image: constraint of the second sec														
Internation Image: Construct Series Image: Construct Series <td>СПЕ-2025</td> <td>workplace Kisk Anarysis</td> <td>2</td> <td>0</td> <td>2</td> <td>2</td> <td>Elective</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	СПЕ-2025	workplace Kisk Anarysis	2	0	2	2	Elective							
IDTAL CREDITS FOR SAMESTER 16 10 21 3.0 SEMISTER IS 12 24 3.0 HE-3001 SEMISTER COURSE PLAN L U K KCTS HE-3001 Chemical Reaction Engineering 2 2 3 5 Mandatory HE-3007 Engineering 2 2 3 5 Mandatory HE-3007 Engineering 2 2 3 5 Mandatory HE-3007 Engineering 2 0 2 2 Mandatory HE-3018 Computer Modeling in Chemical 2 0 2 2 Mandatory HE-3013 Computer Modeling and Simulation 2 0 2 2 Mandatory HE-3013 Computer Modeling and Simulation 2 0 2 2 Mandatory HE-3018 Marcinal 2 0 2 2 Ecrive 2 0 2 2 2 2 2 2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Elective</td></t<>														Elective
S.SHENTER COURSE PLAN L U K ECT 2HE-3001 Thermodynamic I 2 2 3 5 Mandatory HE-3003 Chernical Keation Engineering 2 2 3 5 Mandatory HE-3003 Let and Mass Transfer 4 2 5 8 Mandatory HE-3007 Ingineering 2 0 2 2 3 4 Mandatory HE-3007 Ingineering 3 2 0 2 2 Mandatory HE-3010 Internodynamic I 2 0 2 Mandatory CHE-3008 Basic Operations 4 2 0 2 Mandatory HE-3011 Internodynamic I 2 0 2 2 Mandatory HE-3013 Coramic Materials 2 0 2 2 Hearial HE-3013 Coramic Materials 2 0 2 2 Elective HE-3015 Composic Materials		TOTAL CREDITS FOR SEMESTER	16	10	21	30				18	12	24	30	
Bit Allow The Color Ref PLAN L U K Delts HE-3001 Termodynamic II 2 2 3 5 Mandatory HE-3003 Chemical Reaction Engineering 2 2 3 5 Mandatory HE-3007 Engineering 2 2 3 4 Mandatory HE-3007 Engineering 2 2 3 4 Mandatory CHE-3007 Engineering Computer Modeling and Simulation 2 0 2 2 Mandatory Elective 2 0 0 0 2 2 Mandatory HE-3018 Composite Materials 2 0 2 2 Mandatory HE-3018 Composite Materials 2 0 2 2 Mandatory HE-3019 Wastewater Treatment Technology 2 0 2 2 Elective HE-3012 Composite Materials 2 0 2 2 Elective		TOTAL CREDITS FOR SEMESTER	10	10	21	50				10	12	24	50	
HE-301 Thermodynamic I 2 2 3 5 Mandatory HE-303 Chemical Resciton Engineering 2 2 3 5 Mandatory HE-303 Chemical Resciton Engineering 2 2 3 5 Mandatory HE-3007 Chemical Resciton Engineering 2 2 3 5 Mandatory HHE-3007 Chemical Resciton Engineering 2 2 3 5 Mandatory HHE-3007 Computer Modeling and Simulation 2 0 2 2 Mandatory HHE-3013 Cemme Materials 2 0 2 2 Mandatory HHE-3016 Composter Modeling and Simulation 2 0 2 2 Mandatory HHE-3013 Cemme Materials 2 0 2 2 Mandatory HHE-3016 Composter Materials 2 0 2 2 2 Mandatory HHE-3017 Composter Materials 2 0 2 2 2 2 2 2 2 2 2		5. SEMESTER COURSE PLAN	L	U	К	ECTS				L	U	К	ECTS	
Heat and Mass Transfer 4 2 5 8 Mandatory 2HE-3007 Mathematical Modeling in Chemical Engineering 2 2 3 4 Mandatory 2HE-3007 Mathematical Modeling in Chemical Engineering 2 0 2 2 3 4 Mandatory 3HA-3009 Computer Modeling and Simulation Laboratory 2 0 2 2 Mandatory HE-3017 Humership 1 0 0 0 2 2 Mandatory HE-3015 Composite Materials 2 0 2 2 Mandatory HE-3015 Composite Materials 2 0 2 2 2 0 2 2 2 0 2 2 2 0 2 2 2 2 2 2 2 0 2 2 2 0 2<	CHE-3001	Thermodynamic I	2	2	3	5	Mandatory	CHE-3002		2	2	3	5	Mandat
Hathematical Modeling in Chemical pinjoering 2 2 3 4 Mandatory SIM-3000 Computer Modeling and Simulation Lective 2 0 2 2 Mandatory 2HE-3011 Internship I 0 0 0 2 2 Mandatory 2HE-3012 Internship I 0 0 2 2 Mandatory 2HE-3014 Internship I 0 0 2 2 Mandatory 2HE-3014 Chenister 2 0 2 2 Mandatory 2HE-3015 Composite Materials 2 0 2 2 2 0 2 2 0 2 2 2 0 2 2 0 2 2 0 2 2 0 2 2 2 0 2 2 0 2 2 0 2 2 2 0 2 2 0 2 2 2 0 2 2 2 2 2 2 2 2 2 2 2 2 <td>CHE-3003</td> <td></td> <td>Mandat</td>	CHE-3003													Mandat
HIE-300/ Engineering 1 2 2 3 4 Mandatory 3LM-300/ Computer Modeling and Simulation 2 0 2 2 Mandatory BLM-300/ Laboratory. 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory HE-3012 Internship 2 0 2 2 Mandatory HE-3013 Cormposite Materials 2 0 2 2 Elective HE-3017 Polymer Science 2 0 2 2 Elective HE-3018 Adsorption 2 0 2 2 2 Elective HE-4011 Process Design 3 0 3 4 Mandatory Mandatory 10 8 2 0 2 2 <	CHE-3005		1		5	8		CHE-3006	Device Design	3		4	6	
Laboratory 2 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 0 0 2 2 1 1 0 1 1 0 2 2 1 <th1< th=""> <th1<< td=""><td>CHE-3007</td><td></td><td>2</td><td>2</td><td>3</td><td>4</td><td>wandatory</td><td>CHE-3008</td><td>Basic Operations</td><td>4</td><td>2</td><td>4</td><td>6</td><td>Wanda</td></th1<<></th1<>	CHE-3007		2	2	3	4	wandatory	CHE-3008	Basic Operations	4	2	4	6	Wanda
Laboratory 0 0 0 2 Mandatory Elective 2 0 2 2 Mandatory HE-3013 Caramic Materials 2 0 2 2 Elective 2 0 2 2 Mandatory HE-3017 Composite Materials 2 0 2 2 Elective 2 0 2 2 Elective HE-3017 Composite Materials 2 0 2 2 Elective 2 0 2 2 Elective HE-3017 Composite Materials 2 0 2 2 Elective 2 0 2 2 Elective HE-3017 Composite Materials 2 0 2 2 Elective CHE-3018 Polymer Chemologies 2 0 2 2 Elective	BLM-3009		2	0	2	2	Mandatory	CHE-3010	Engineering Economics	2	0	2	2	Mandat
Elective 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory HE-3015 Composite Materials 2 0 2 2 Elective 2 0 2 2 Mandatory HE-3017 Composite Materials 2 0 2 2 Elective 2 0 2 2 Elective HE-3019 Wastewater Treatment Technology 2 0 2 2 2 Elective HE-3021 Adsorption 2 0 2 2 2 Elective TOTAL CREDITS FOR SEMESTER 16 8 20 30 TOTAL CREDITS FOR SEMESTER 16 8 20 30 TOTAL CREDITS FOR SEMESTER 19 8 22 30 2 2 Elective CHE-4001 Process Control 3 0 3 4 Mandatory	CHE-3011		0	0	0	2	Mandatory				0	2	2	Mandat
Elective 2 0 2 2 2 Mandatory HE-3015 Ceramic Materials 2 0 2 2 Elective Elective 2 0 2 2 Elective HE-3015 Composite Materials 2 0 2 2 Elective Encitive Paper Industry 2 0 2 2 Elective HE-3017 Polymer Science 2 0 2 2 Elective Paper Industry 2 0 2 2 Elective YHE-3017 Polymer Science 2 0 2 2 Elective CHE-3016 Fuel Technology 2 0 2 2 Elective THE-3017 Polymer Chemistry and process Control 16 8 20 30 CHE-302 Electrochemical Technologies 0 2 2 2 Elective CHE-4001 Process Control 3 0 3 4 Mandatory PHE-4007 Chemical Engineering Applications 0 4 2 5 Mandatory <	CIIE-3011													
HE-3015 Composite Materials 2 0 2 2 Elective HE-3017 Polymer Science 2 0 2 2 2 Elective HE-3017 Polymer Science 2 0 2 2 2 Elective HE-3021 Adsorption 2 0 2 2 2 Elective HE-3021 Adsorption 2 0 2 2 2 Elective TOTAL CREDITS FOR SEMESTER 16 8 20 30 Inter-sozo Electrote-minatra chonology 2 0 2 2 2 Elective CHE-4001 Process Design 3 2 4 6 Mandatory Elective Elective 19 8 22 30 Inter-sozo CHE-4002 Chemical Engineering Applications 0 4 2 5 Mandatory Elective 18 9 20 Mandatory HE-4002 Chemical Technologies 3 0 3 4 Mandatory Elective 10 10 10														Mandat
HE-3017 Polymer Science 2 0 2 2 Elective HE-3019 Wastewater Treatment Technology 2 0 2 2 2 Elective HE-3021 Adsorption 2 0 2 2 Elective CHE-3018 Polymer Chemistry and Technology 2 0 2 2 Elective HE-3021 Adsorption 2 0 2 0 2 2 0 2 2 0 2 2 2 2 0 2 <td>CHE-3013</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>CHE-3012</td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td>Electiv</td>	CHE-3013					-		CHE-3012			_			Electiv
HE-3019 Wastewater Treatment Technology 2 0 2 2 2 Elective CHE-3021 Adsorption 2 0 2 2 2 Elective THE-3021 Adsorption 2 0 2 2 2 Elective TOTAL CREDITS FOR SEMESTER 16 8 20 30 CHE-3020 Electrochemical Technologies 2 0 2 2 Elective CHE-4001 Process Design 3 2 4 6 Mandatory CHE-4005 Chenical Technologies 3 0 3 4 Mandatory CHE-4015 Chenical Technologies 3 0 2 2 Mandatory CHE-4015 Coloi Chemistry and Applications 0 2 2 2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>2</td><td></td><td>CUE 2016</td><td></td><td>_</td><td>_</td><td></td><td>2</td><td></td></t<>						2		CUE 2016		_	_		2	
HE-3019 Wakewater Hearnent Technology 2 0 2 2 2 2HE-3021 Adsorption 2 0 2 2 2 Elective 2HE-3021 Adsorption 2 0 2 2 2 Elective 2HE-3021 Adsorption 2 0 2 2 2 Elective TOTAL CREDITS FOR SEMESTER 16 8 20 30						2							2	
Image: CHE-4001Image: CHE-302Management Planning and Efficiency in Engineering20221CHE-401TOTAL CREDITS FOR SEMESTER1682030Image: CHE-302Image: CHE-302<	CHE-3019	Wastewater Treatment Technology	2	0	2	2	Licetive	CHE-3018		2	0	2	2	Licetiv
CHE-4001TOTAL CREDITS FOR SEMESTER1682030Semester10VKECTSCHE-4001Process Design3246MandatorySemesterLUKECTSCHE-4003Process Control3034MandatoryCHE-4016Intern Engineering Education -150510MandatoryCHE-4005Chemical Engineering Applications0425MandatoryCHE-4018Intern Engineering Education -2018920MandatoryCHE-4007Chemical Technologies3034MandatoryCHE-4018Intern Engineering Education -2018920MandatoryCHE-4009Graduation Project0637MandatoryC <t< td=""><td>CHE-3021</td><td>Adsorption</td><td>2</td><td>0</td><td>2</td><td>2</td><td>Elective</td><td>CHE-3020</td><td></td><td>2</td><td>0</td><td>2</td><td>2</td><td>Electiv</td></t<>	CHE-3021	Adsorption	2	0	2	2	Elective	CHE-3020		2	0	2	2	Electiv
TOTAL CREDITS FOR SEMESTER1682030TOTAL CREDITS FOR SEMESTER1982230THE-4001Process Design3246MandatoryCHE-4003Process Control3034MandatoryCHE-4005Chemical Engineering Applications0425MandatoryCHE-4007Chemical Technologies3034MandatoryCHE-4017Chemical Technologies3034MandatoryCHE-4018Intern Engineering Education -150510CHE-4017Chemical Technologies3034MandatoryCHE-4018Intern Engineering Education -2018920ME-4019Graduation Project0637MandatoryCHE-4013Textile Chemistry2022MandatoryCHE-4014Intern Engineering Education -1101010IHE-4015Colloid Chemistry2022ElectiveCHE-4014Energy Management2022ElectiveCHE-4025Intellectual and Industrial Property Education2035ElectiveCHE-4025Intellectual and Industrial Property Education2035ElectiveCHE-4025Intellectual and Industrial Property Education2035Elective								CHE-3022		2	0	2	2	Electiv
TOTAL CREDITS FOR SEMESTER 16 8 20 30 SEMESTER 19 8 22 30 TOTAL CREDITS FOR SEMESTER L U K ECTS SEMESTER 19 8 22 30 CHE-4001 Process Design 3 2 4 6 Mandatory CHE-4003 Process Control 3 0 3 4 Mandatory CHE-4005 Chemical Engineering Applications 0 4 2 5 Mandatory CHE-4007 Chemical Technologies 3 0 3 4 Mandatory CHE-4009 Graduation Project 0 6 3 7 Mandatory CHE-4013 Textile Chemistry 2 0 2 2 Mandatory CHE-4013 Textile Chemistry 2 0 2 2 Mandatory CHE-4013 Textile Chemistry 2 0 2 2 Elective CHE-4014 Energy Management 2 0 2 2 Elective 1 1 1		TOTAL CREDITS FOR CD COMPANY	1/		20	20				10			20	
ASEALES FER COORSE PLAN L 0 K ECTS CHE-4001 Process Design 3 2 4 6 Mandatory CHE-4003 Process Control 3 0 3 4 Mandatory CHE-4005 Chemical Engineering Applications 0 4 2 5 Mandatory CHE-4007 Chemical Technologies 3 0 3 4 Mandatory CHE-4007 Chemical Technologies 3 0 3 4 Mandatory CHE-4016 Intern Engineering Education -2 0 18 9 20 Mandatory CHE-4017 Chemical Technologies 3 0 3 4 Mandatory CHE-4018 Intern Engineering Education -2 0 18 9 20 Mandatory CHE-4018 Intern Engineering Education -2 0 18 4 10 10 10 10 CHE-4018 Textile Chemistry 2 0 2 2 Mandatory 10 10 10 10 10 10 10		101AL CREDITS FOR SEMESTER	16	8	20	30			SEMESTER	19	8	22	30	
HE-4001 Process Design 5 2 4 6 Herefore 7 6 5 10 Mandatory CHE-4013 Process Control 3 0 3 4 Mandatory CHE-4005 Chemical Engineering Applications 0 4 2 5 Mandatory CHE-4016 Intern Engineering Education -2 0 18 9 20 Mandatory CHE-4007 Chemical Technologies 3 0 3 4 Mandatory EHE-4007 Chemical Technologies 3 0 3 4 Mandatory Elective 2 0 2 2 Mandatory 1		7. SEMESTER COURSE PLAN	L	U	К	ECTS				L	U	К	ECTS	
HI 4000 Hocks Control J	CHE-4001	Process Design	3	2	4	6	Mandatory	CHE-4016		5	0	5	10	Mandat
CHE-4003 Chemical Engineering Applications 0 4 2 5 Implicit of the second sec	CHE-4003	Process Control	3	0	3	4	Mandatory	CHE-4018	Intern Engineering Education -2	0	18	9	20	Mandat
HE-4007 Chemical Technologies 3 0 3 4 Mandatory CHE-4009 Graduation Project 0 6 3 7 Mandatory Elective 2 0 2 2 Mandatory HE-4013 Textile Chemistry 2 0 2 2 Elective CHE-4012 Energy Management 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective TOTAL CREDITS FOR SEMESTER 13 12 19 30 TOTAL CREDITS FOR 5 18 14 30	CHE-4005	Chemical Engineering Applications	0	4	2	5	Mandatory							
CHE-4009 Graduation Project 0 6 3 7 Mandatory Elective 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory HE-4013 Textile Chemistry 2 0 2 2 Elective CHE-4015 Colloid Chemistry 2 0 2 2 Elective CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4021 Energy Management 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective TOTAL CREDITS FOR SEMESTER 13 12 19 30 TOTAL CREDITS FOR 5 18 14 30							Mandatory							
Elective 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory Elective 2 0 2 2 Mandatory CHE-4013 Textile Chemistry 2 0 2 2 Elective CHE-4015 Colloid Chemistry 2 0 2 2 Elective CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective TOTAL CREDITS FOR SEMESTER 13 12 19 30 TOTAL CREDITS FOR 5 18 14 30	CHE-4007 CHE-4009	~	_							1	1			
CHE-4013 Textile Chemistry 2 0 2 2 Elective CHE-4015 Colloid Chemistry 2 0 2 2 Elective CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4021 Energy Management 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective TOTAL CREDITS FOR SEMESTER 13 12 19 30 TOTAL CREDITS FOR 5 18 14 30		Elective	2	0	2	2				L	L			
CHE-4015 Colloid Chemistry 2 0 2 2 Elective CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4012 Energy Management 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective TOTAL CREDITS FOR SEMESTER 13 12 19 30 TOTAL CREDITS FOR 5 18 14 30		Elective	_				Mandatory							
CHE-4019 Extractive Metallurgy and Applications 2 0 2 2 Elective CHE-4021 Energy Management 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective	CHE-4013									<u> </u>	<u> </u>	ļ		
CHE-4021 Energy Management 2 0 2 2 Elective CHE-4023 English Written and Oral Communication 2 0 3 5 Elective Intellectual and Industrial Property Rights 2 0 3 5 Elective Image: Communication													<u> </u>	
CHE-4023 English Written and Oral Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective <td></td>														
HE-4023 Communication 2 0 3 5 Elective CHE-4025 Intellectual and Industrial Property Rights 2 0 3 5 Elective <										1	1			
Alle-4023 Rights 2 0 3 3 TOTAL CREDITS FOR SEMESTER 13 12 19 30 TOTAL CREDITS FOR 5 18 14 30	CHE-4023	Communication	2	0	3	5				<u> </u>	<u> </u>			
		Intellectual and Industrial Property	2	0	3	5	Elective							
	CHE-4025		2	-								-		