

TOTAL COURSE- PROGRAMME OUT COMES

RELATIONSHIP

FALL					Programme Outcomes													
Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Semester																		
KIM 5003	Special Topics – I	5	0	10	5	5	5	5	5	5	5	5	5					
KIM 5005	Thesis Research	0	1	20	5	5	5	5	5	5	5	5	5					
KIM 5007	Seminar*	0	2	6	5	5	4	5	5	5	5	5	4					
KIM 5101	Pericyclic Reactions	2	0	6	5	4	5	5	4	5	4	4	4					
KIM 5105	Computer Applications in Chemistry	2	0	6	3	4	4	5	5	3	3	5	4					
KIM 5107	Plastic Additives – I	2	0	6	5	5	4	3	5	4	5	5	5					
KIM 5109	Synthetic Organic Chemistry - I	2	0	6	5	4	5	5	3	4	5	3	4					
KIM 5113	Characterization Techniques of Polymers	2	0	6	5	5	5	4	5	4	3	5	5					
KIM 5115	Molecular Structure and Symmetry	3	0	8	4	5	5	4	5	4	4	5	5					
KIM 5117	Analysis Methods of Industrial Materials	3	0	8	4	5	5	5	4	5	4	5	5					
KIM 5119	Phosphorus Chemistry	2	0	6	5	5	5	5	5	5	5	5	5					
KIM 5121	Polymer Chemistry – I	3	0	8	5	5	5	4	5	4	5	4	3					
KIM 5123	Spectroscopic Methods	3	0	8	5	5	5	5	4	5	5	4	5					
KIM 5125	Advanced Organic Reactions	3	0	8	5	4	5	5	3	4	5	3	4					
KIM 5127	Ligand Adsorption	3	0	8	5	4	4	3	4	5	4	5	3					
KIM 5129	Reactive Intermediates	3	0	8	5	4	5	5	4	5	4	3	2					

KIM 5131	Enzymatic Polymerization	3	0	8	5	5	4	4	5	5	4	5	3					
KIM 5133	Catalysis	3	0	8	5	4	5	3	5	4	4	4	4					
KIM 5137	Corrosion	3	0	8	5	4	5	4	5	3	4	4	5					
KIM 5139	Electropolymerization – I	3	0	8	5	5	5	3	5	4	4	5	5					
KIM 5141	Chemical Toxicology	3	0	8	5	4	4	3	5	4	4	4	5					
KIM 5143	Technological Materials Synthesis and Characterization	3	0	8	5	5	5	5	4	3	5	4	5					
KIM 5145	Principles of Inorganic Chemistry - I	3	0	8	5	5	4	4	5	5	4	5	5					
KIM 5147	Molecular Quantum Chemistry – I	3	0	8	4	5	5	4	5	5	4	5	4					
KIM 5149	Enviromental Analysis in Analytical Chemistry	3	0	8	5	5	4	3	4	4	5	4	4					
KIM 5151	The Chemistry of Humic Substances	3	0	8	5	4	5	5	4	5	4	3	2					
KIM 5153	Microencapsulation Technology	2	0	6	5	5	5	5	5	5	5	5	5					
KIM 5155	Molecular Modelling in Electrochemistry	3	0	8	5	5	4	5	4	5	5	5	5					
KIM 6001	Seminar*	0	2	6	5	5	4	5	5	5	5	5	4					
KIM 6003	Specialized Field Course	5	0	10	5	4	4	5	4	4	5	5	5					
KIM 6005	Thesis Research	0	1	20	5	5	5	5	5	5	5	5	5					
KIM 6007	Doctoral Qualification***	0	0	30	5	5	5	5	5	5	5	5	5					
KIM 6101	Advanced Polymer Chemistry - I	3	0	10	5	5	4	4	5	4	5	3	3					
KIM 6103	Inorganic Reaction Mechanisms -I	3	0	10	4	4	5	5	4	5	5	4	5					
KIM 6105	Heterocyclic Compounds	3	0	10	5	5	5	5	5	5	5	5	5					
KIM 6107	Bioinorganic Chemistry	3	0	10	5	5	4	5	5	4	5	5	5					
KIM 6109	Thermochemical Kinetic	3	0	10	5	5	4	5	5	4	5	5	4					
KIM 6111	Theoretical Foundations of Analytical Chemistry - I	3	0	10	5	5	4	4	5	4	5	3	3					

KIM 6113	Use of Protective Groups in Organic Chemistry	3	0	10	5	4	5	5	4	3	5	3	4				
KIM 6115	Molecular Modeling in Organic Chemistry	3	0	10	5	5	4	4	4	5	5	4	5				
KIM 6117	Basic Group Elements Chemistry	3	0	10	4	5	5	4	5	4	4	5	5				
KIM 6119	Advanced Organometallic Chemistry - I	3	0	10	5	5	5	4	5	5	5	5	4				
KIM 7001	Modern Analyse Techniques	3	0	8	5	5	5	5	5	5	5	5	5				
KIM 7003	Chemical Toxicology	3	0	8	5	5	4	5	5	5	5	5	4				
KIM 7005	Advances in Nanocomposite Technology	3	0	8	5	5	5	5	5	5	5	5	5				

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SPRING					Programme Outcomes													
Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	2. Semester																	
KIM 5004	Special Topics - II	5	0	10	5	5	5	5	5	5	5	5	5					
KIM 5006	Thesis Research	0	1	20	5	5	5	5	5	5	5	5	5					
KIM 5008	Seminar	0	2	6	5	5	4	5	5	5	5	5	4					
KIM 5102	Coordination Polymers	2	0	6	5	4	4	5	5	3	5	5	5					
KIM 5104	Advanced Quantum Chemistry	2	0	6	5	4	5	3	3	4	4	4	4					
KIM 5106	Living Polymerizasyon	2	0	6	5	5	4	5	5	3	5	5	4					
KIM 5108	Advanced Coordination Chemistry	2	0	6	5	4	5	5	4	3	4	5	5					
KIM5110	Chemistry of Natural Compounds	2	0	6	5	5	5	3	5	4	5	4	4					
KIM 5112	Synthetic Organic Chemistry – II	2	0	6	5	4	5	5	3	4	5	3	4					
KIM 5114	Alcoholoids	2	0	6	5	5	5	5	5	5	5	5	5					
KIM 5116	Polymer Chemistry – II	3	0	8	5	5	5	4	5	4	5	4	3					
KIM 5118	Liquid Chromatography	3	0	8	4	5	3	4	5	4	3	4	5					
KIM 5120	Corrosion Inhibitors	3	0	8	5	4	4	5	4	5	4	4	5					

KIM 5122	BondingTheories	2	0	6	5	4	5	4	5	4	5	5	4				
KIM 5124	Structural Analysis of Coordination Compounds	3	0	8	4	5	4	5	4	4	5	5	5				
KIM 5126	Retrosynthetic Analyzis of Organic Molecules	3	0	8	5	4	5	5	3	4	5	3	4				
KIM 5128	Plastic Additives – II	3	0	8	5	4	5	3	5	5	5	4	5				
KIM 5130	Surface Analysis Methods	3	0	8	5	4	5	3	5	4	4	4	4				
KIM 5132	Macrocyclic Compounds	3	0	8	5	4	5	4	4	4	5	5	4				
KIM 5134	Named Organic Reactions	3	0	8	5	4	5	5	4	3	5	2	4				
KIM 5136	Inorganic Electronic Spectroscopy	3	0	8	5	4	5	4	5	4	3	4	3				
KIM 5138	Methodsof Chemical Analysis of Water	3	0	8	4	4	5	5	5	4	5	3	3				
KIM 5140	Coating Techniques	3	0	8	5	5	4	5	5	4	5	5	5				
KIM 5142	Molecular Quantum Chemistry - II	3	0	8	5	5	5	4	4	5	5	4	5				
KIM 5144	Electrically Active Polymers	3	0	8	5	5	4	4	5	4	5	3	3				
KIM 5146	Functional Group Interconversion	3	0	8	5	5	5	5	5	5	5	5	5				
KIM 5148	Mass Spectroscopy and Applications	2	0	6	5	5	5	5	5	4	5	5	5				
KIM 5150	Derivation Methods Sorpsion	2	0	6	5	5	4	4	5	5	5	4	5				
KIM 5152	Modern Chromatographic Techniques	3	0	8	5	5	4	5	5	5	4	5	5				
KIM 5154	Surfactants in Analytical Chemistry	3	0	8	5	4	4	4	5	5	4	3	4				
KIM 6002	Seminar**	0	2	6	5	5	4	5	5	5	5	5	4				
KIM 6004	Specialized Field Course - II	5	0	10	5	4	4	5	4	4	5	5	5				
KIM 6006	Thesis Research	0	1	20	5	5	5	5	5	5	5	5	5				
KIM 6008	Doctoral Qualification	0	0	30	5	5	5	5	5	5	5	5	5				
KIM 6102	Advanced Polymer Chemistry - II	3	0	10	5	5	4	4	5	4	5	3	3				

KIM 6104	Advanced Radicalic Reactions	3	0	10	5	4	5	5	4	3	5	2	3				
KI M 6106	Advanced Organometallic Chemistry - II	3	0	10	5	4	5	5	4	5	5	4	5				
KIM 6108	Theoretical Foundations of Analytical Chemistry - II	3	0	10	5	5	4	4	5	4	5	3	3				
KIM 6110	Inorganic Reaction Mechanisms - II	3	0	10	5	5	4	4	5	4	5	4	4				
KIM 6112	Application of Frontier Orbitals	3	0	10	4	5	5	4	5	5	4	5	5				
KIM 7002	Occupational Healt Security in Laboratory	3	0	8	4	5	5	5	5	5	4	4	5				
KIM 7004	Industrial Materials Analysis Methods	3	0	8	4	5	5	5	5	5	5	5	5				