



2019 Fall Semester

College of Science			
Department of Chemistry			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
CM6054	Computational Chemistry	3	G
CM6063	Solid state Chemistry	3	G
CM6072	Principle and Use of Powder XRD in Chemistry	3	G
CM7001	Seminar	2	G
Department of Mathematics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
MA5039	Perception and Estimation in Robotics	3	G
MA8017	Differential Equations I	3	G
MA8019	Numerical Analysis I	3	G
MA6023	Theory of Stochastic Processes I	3	G
MA5017	High-Performance Computing I	3	G
MA5202	Discrete Geometry II	3	G
Department of Physics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
PH3011	Thermal Physics	3	U
PH6003	Quantum Mechanics I	3	G
PH6005	Classical Electrodynamics I	3	G
PH6007	Classical Mechanics I	3	G
PH6033	Solid State Physics I	3	G
PH6070	Nonlinear Dynamics	3	G
PH7024	Soft Condensed Matter Physics	3	G
PHT003	Quantum Mechanics (I)	3	G
PHT009	Solid State Physics (I)	3	G
PHT015	Advanced Physical Chemistry (I)	3	G
PHT019	Advanced Physical Chemistry (III)	3	G
PHT030	Fundamentals and Application of Synchrotron Radiation and Neutron	2	G



	Scattering		
PHT031	Colloquium I	0	G
PHT032	Colloquium II	0	G
PHT033	Quantum Optics	3	G
PHT035	Advanced Inorganic Chemistry	3	G
PHT047	Modern Experimental Techniques-Chemistry	2	G
PHT048	Modern Experimental Techniques-Physics	2	G
PHT051	Irreversible Thermodynamics and its Application in spin caloritronics	3	G
PHT065	Introduction to Nanotechnology_ Physics	3	G
PHT066	Introduction to Nanotechnology_ Chemistry	3	G
PHT067	Optics for Applications	3	G
PHT071	Special Studies on Topics about Molecular Science and Technology I	0	G
PHT073	Seminar Presentation on Topics about Molecular Science and Technology I	2	G
PHT074	Seminar Presentation on Topics about Molecular Science and Technology II	2	G
PHT075	Seminar Presentation on Topics about Molecular Science and Technology III	2	G
PH7046	Modern Cosmology	3	G
PH7009	Group Theory and Symmetry	3	G
PH7014	General Relativity	3	G
PH6059	Biophysics	3	G
Department of Optics & Photonics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
OS6003	Fourier Optics	3	G
OS6015	Geometrical Optics	3	G
OS7188	Optical System Design and Simulation I	3	G



Graduate Institute of Astronomy			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AS6009	Space Astronomy	3	G
AS6047	Observational Astronomy	3	G
AS6070	Solar System Astrophysics	3	G
AS6072	X-ray Astronomy	3	G
AS6074	Stellar Atmosphere and Structure	3	G
AS6075	Astrophysics of Galaxies	3	G
AS8010	Frontiers in Astronomy I	1	G
AS8006	Astrophysical Plasma	3	G
AS6059	Star Clusters and Stellar Population	3	G
AS6097	Gamma-Ray Bursts	3	G
Graduate Institute of Statistics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
ST7019	Statistics for Clinical Trials(I)	3	G
ST8003	Advanced Probability I	3	G
ST7052	High-Dimensional Data Analysis	3	G
ST6078	Quality Engineering	3	G

Update: JUL, 2019