



2020 Fall Semester

College of Science			
Department of Mathematics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
MA6101*	Partial Differential Equations I	3	G
MA7049*	The Finite Element Method	3	G
MA7101*	Real Analysis I	3	G
MA8017*	Differential Equations I	3	G
MA8019*	Numerical Analysis I	3	G
Department of Physics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
PH3011A	Thermal Physics	3	U
PH6003*	Quantum Mechanics I	3	G
PH6005*	Classical Electrodynamics I	3	G
PH6007*	Classical Mechanics I	3	G
PH6029*	Quantum Field Theory I	3	G
PH6033*	Solid State Physics I	3	G
PH7024*	Soft Condensed Matter Physics	3	G
PH7030*	Complex Systems	3	G
PH7046*	Modern Cosmology	3	G
PHT019*	Advanced Physical Chemistry (III)	3	G
PHT066*	Introduction to Nanotechnology_ Chemistry	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
PHT075*	Seminar Presentation on Topics about Molecular Science and Technology III	2	G



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
CM6089*	Epigenetics	2	G
CM7001*	Seminar	2	G
Department of Optics and Photonics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
OS6003A	Fourier Optics	3	G
OS6015A	Geometrical Optics	3	G
OS7097*	Guided Wave Optics	3	G
OS7188*	Optical System Design and Simulation I	3	G
OS7198*	plasmonic metamaterials	3	G
Graduate Institute of Statistics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
ST7047*	Stochastic Processes in Finance	3	G
ST8003*	Advanced Probability I	3	G
Graduate Institute of Astronomy			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AS6009*	Space Astronomy	3	G
AS6024*	Binary Stars System	3	G
AS6038*	Cosmology	3	G
AS6047*	Observational Astronomy	3	G
AS6059*	Star Clusters and Stellar Population	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



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AS6078*	Comets and Asteroids	2	G
AS6084*	Numerical Analysis I	2	G
AS6097*	Gamma-Ray Bursts	3	G
AS8003*	Special Topics III	2	G
AS8010*	Frontiers in Astronomy I	1	G

**Update: OCT, 2020**