



2020 Fall Semester

College of Earth Sciences			
Department of Atmospheric Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AP6060*	Radar Meteorology	3	G
AP6067*	Advanced Applied Mathematics I	3	G
AP6070*	Ocean Circulation and Climate	3	G
AP8003A	Seminar	1	G
AP8007A	Seminar II	1	G
AP8107*	Special Topics on radar observation of cloud microphysics	3	G
AP8115*	Special Topics on Climate and Environment	3	G
AP8125*	Critical Analysis of Atmospheric Environmental Research	2	G
Department of Earth Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
GP4087W	Special Topics in Earth Science (I)	1	U
GP5049*	English Thesis Writing	2	G
GP5051*	Volcanology	2	G
GP5066*	Seismic Data Analysis and Case Studies	3	G
GP5068*	Geomorphology	2	G
GP5083*	Earthquake Forecasting	2	G
GP5096*	Introduction to mountain building processes	3	G
GP6023*	Advanced Seismology I	2	G
GP6057*	Basin Analysis	2	G
GP6060*	Strong Motion Seismology	2	G
GP6095*	Seminar II (Geology)	1	G
GP6097*	Seminar II (Geophysics)	1	G
GP7032*	Theoretical geophysics	3	G
GP8001*	Seminar III	1	G
GP8045*	Seminar IV (Geology)	1	G



GP8047*	Seminar IV (Geophysics)	1	G
Department of Space Science and Engineering			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
SS6018*	Advanced Ionospheric Physics II	3	G
SS6053*	Principle of Space Remote Sensing	3	G
SS6081*	Digital Image Processing for Remote Sensing I	3	G
SS8001*	Seminar I	1	G
Graduate Institute of Applied Geology			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AG7001*	Advanced Field Geology I	3	G
AG7002*	Mathematics in Applied Geology	2	G
AG7003*	Statistics in Geology	2	G
AG7012*	Seminar of Engineering Geology I	1	G
AG7015*	Seminar of Geotechnical Engineering I	1	G
AG7038*	Seminar of Engineering Geology III	1	G
AG7041*	Seminar of Geotechnical Engineering III	1	G
AG7053*	Adaptive Engineering Geology II	2	G
AG7056*	Rock Mechanics	3	G
AG7058*	Seminar of Numerical Groundwater Models I	1	G
AG7060*	Seminar of Numerical Groundwater Models III	1	G
AG7064*	Groundwater Hydrology	3	G
AG7066*	Applied Groundwater Modeling	3	G
AG7076*	Seminar of Geomechanics I	1	G
AG7078*	Seminar of Geomechanics III	1	G
AG7080*	Seminar of Groundwater Contaminant Transport I	1	G
AG7082*	Seminar of Groundwater Contaminant Transport III	1	G
AG7086*	Advanced Physical Geology	2	G
AG7098*	Fundamentals of Mathematics and Computer	2	G



AG7100*	Seminar of Geohydraulics I	1	G
AG7102*	Seminar of Geohydraulics III	1	G
AG7107*	Seminar of Active Tectonics I	1	G
AG7109*	Seminar of Active Tectonics III	1	G
Graduate Institute of Hydrological and Oceanic Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
HS6028*	Atmospheric and Oceanic Processes	3	G
HS6029*	Journal readings in atmosphere, ocean and climate sciences - Part 1	1	G
HS6033*	Fluid Dynamics	3	G
HS6053*	Air-sea Interaction	3	G
HS6077*	Special Topic on Coastal Environments	3	G
HS6087*	Special topics on environmental turbulence	3	G
HS6089*	How to build an ocean/atmospheric model	3	G
HS6091*	Scientific Computing	3	G
HS6092*	Computational Fluid Dynamics	3	G
HS6114*	Regional oceanography in Taiwan waters	3	G
International Ph.D. Graduate Program for Earth System Science			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
ES7001*	Introductory Earth System Science	3	G
ES7005*	General Geophysics	3	G
ES7029*	SeminarIII	1	G
ES7068*	Discussion on climate signals: Time series analysis (II)	3	G
ES7071*	Seismic Hazard Assessment	2	G
ES7073*	Special topics on Synthetic Aperture Radar (I)	2	G
ES7075*	Discussions on Marine organic carbon biogeochemistry	2	G

Update: OCT, 2020