



2021 Fall Semester

College of Earth Sciences			
Department of Atmospheric Physics			
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
AP8003	Seminar	1	G
AP8007	Seminar II	1	G
AP8080	Special Topics on Planetary Boundary Lay	3	G
AP8125	Critical Analysis of Atmospheric Environmental Research	2	G
AP8126	Special topics on Mesoscale Meteorology II	3	G
Department of Geophysics			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
GP4087	Special Topics in Earth Science (I)	1	U
GP4087	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
GP5091	Introduction to mountain building processes	2	G
GP5097	Advanced Observatory Seismology	2	G
GP6023	Advanced Seismology I	2	G
GP6036	Seismic Data Processing	2	G
GP6057	Basin Analysis	2	G
GP6095	Seminar II (Geology)	1	G
GP6097	Seminar II (Geophysics)	1	G
GP7032	Theoretical geophysics	3	G
GP7039	Advanced Geoelectric Prospecting(I)	2	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
SS8001	Seminar I	1	G
MSc in 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
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
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
AG7099	Earthquakes and Water	3	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
AG7112	Quaternary Geology and the Critical Zone	2	G
AG8006	Special topic on numerical groundwater modeling	3	G
MSc in Hydrological and Oceanic Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
HS6028	Atmospheric and Oceanic Processes	3	G
HS6033	Fluid Dynamics	3	G
HS6077	Special Topic on Coastal Environments	3	G
HS6087	Special topics on environmental turbulence	3	G
HS6091	Scientific Computing	3	G
HS6092	Computational Fluid Dynamics	3	G
HS6113	Radio Oceanography	3	G
HS6114	Regional oceanography in Taiwan waters	3	G
HS6151	Hydrological analysis	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
ES7013	Seminar I	1	G
ES7059	Seismic Data Analysis	3	G
ES7077	Statistical Seismology	2	G

Update: AUG, 2021