



2020 Spring Semester

College of Earth Sciences			
Department of Atmospheric Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AP1017*	Introduction to Space Sciences	2	U
AP6063*	Introduction to Physical Oceanography	3	G
AP6078*	Climate Dynamics	3	G
AP6086*	Atmospheric Remote Sensing	3	G
AP6101*	Remote sensing and air quality applications	3	G
AP8004*	Seminar	1	G
AP8004B	Seminar	1	G
AP8008*	Seminar II	1	G
AP8008B	Seminar II	1	G
AP8015*	Special Topics on Data Assimilation	3	G
AP8112*	Seminar on Atmospheric Industries II	1	G
AP8114*	Seminar on Atmospheric IV	1	G
Department of Geophysics Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
GP3072*	Statistics	3	U
GP4088G	Special Topics in Earth Science (II)	1	U
GP4088W	Special Topics in Earth Science (II)	1	U
GP4090B	Special Topics in Hydrology and Oceanography (II)	1	U
GP5003*	Communication Theory I	2	G
GP5014*	Electromagnetic Prasppecting	2	G
GP5046*	Wave Propagation I- Rock Physics Models and Numerical Simulation	3	G
GP5052*	Marine Geology and Geophysical Interpretation	3	G
GP5060*	Volcano Seismology	2	G
GP5080*	Numerical Applications in Earth Science	2	G



GP5082*	Applied Numerical Methods	2	G
GP7019*	Source Mechanics	2	G
GP7039*	Advanced Geoelectric Prospecting(I)	2	G
GP7048*	Sequence Stratigraphy	2	G
GP7052*	Special Topics in Remote Sensing Geology	2	G
GP8002*	Seminar III	1	G
GP8046*	Seminar IV (Geology)	1	G
GP8048*	Seminar IV (Geophysics)	1	G
Graduate Institute of Space Science			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
SS6017*	Advanced Ionospheric Physics I	3	G
SS7007*	Optical Remote Sensing	3	G
SS7009*	Detection and Estimation	3	G
SS8003*	Seminar II	1	G
Graduate Institute of Applied Geology			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AG7044*	Numerical Modelling in Applied Geology	3	G
AG7071*	Stochastic Subsurface Hydrology	3	G
AG7072*	Geomechanics	3	G
AG7096*	Special Topics on Industrial Project III	1	G
AG7104*	Geohydraulics and Applications	3	G
AG7108*	Seminar of Active Tectonics II	1	G
AG7110*	Seminar of Active Tectonics IV	1	G
AG7111*	Active Tectonics and Earthquake Geology	3	G
Graduate Institute of Hydrological & Oceanic Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
HS6067*	Ocean and Atmospheric Dynamics	3	G
HS6074*	Data Analysis	3	G
HS6086*	Nearshore Oceanography and Hydrodynamics	3	G



HS6092*	Computational Fluid Dynamics	3	G
HS6096*	Journal readings in atmosphere, ocean and climate sciences - Part 2	1	G
HS6112*	Introduction to Tsunami and wave dynamics	3	G
HS6130*	Satellite Oceanographic Data Processing and Analysis	3	G
HS6150*	Environmental Systems Analysis	3	G
Taiwan International Graduate Program for Earth System Science (NCU-Academia Sinica)			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
ES7002*	Global Seismology	3	G
ES7004*	Geology and Tectonics	3	G
ES7021*	Atmospheric Dynamics	3	G
ES7026*	SeminarII	1	G
ES7046*	Discussion on Climate Signals: Time Series Analysis I	3	G
ES7054*	Special Topics on Atmospheric Remote Sensing	3	G
ES7070*	Seminar on Geophysics for Tectonic and Surface Process	1	G
ES7072*	Computational Seismology	2	G

Update: JAN, 2020