



2019 Fall Semester

College of Earth Sciences			
Department of Atmospheric Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
AP6011	Advanced Atmospheric Radiation	3	G
AP6060	Radar Meteorology	3	G
AP6067	Advanced Applied Mathematics I	3	G
AP8003	Seminar	1	G
AP8007	Seminar II	1	G
AP8115	Special Topics on Climate and Environment	3	G
AP8119	Special Topics in Radar Data Assimilation and the Cloud Physics at Convective Scale	3	G
AP8107	Special Topics on radar observation of cloud microphysics	3	G
AP8035	Special Topics on General Circulation of Atmosphere	3	G
AP6070	Ocean Circulation and Climate	3	G
Department of Geophysics Sciences			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
GP4089	Special Topics in Hydrology and Oceanography (I)	1	U
GP5005	Engineering Geophysics I	2	G
GP5049	English Thesis Writing	2	G
GP5051	Volcanology	2	G
GP5066	Seismic Data Analysis and Case Studies	3	G
GP5096	Introduction to mountain building processes	3	G
GP5097	Advanced Observatory Seismology	2	G
GP6017	Mathematical Methods in Geophysics (I)	2	G
GP6036	Seismic Data Processing	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
GP4087	Special Topics in Earth Science (I)	1	U
<b>Graduate Institute of Space Science</b>			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
SS6051	Heliospheric Physics I	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
SS8070	Astrodynamics	3	G
SS6018	Advanced Ionospheric Physics II	3	G
<b>Graduate Institute of Applied Geology</b>			
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
AG7053	Adaptive Engineering Geology II	2	G
AG7056	Rock Mechanics	3	G
AG7064	Groundwater Hydrology	3	G
AG7098	Fundamentals of Mathematics and Computer	2	G
AG7099	Earthquakes and Water	3	G
AG8006	Special topic on numerical groundwater modeling	3	G
<b>Graduate Institute of Hydrological &amp; Oceanic Sciences</b>			
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
HS6067	Ocean and Atmospheric Dynamics	3	G
HS6077	Special Topic on Coastal Environments	3	G
HS6087	Special topics on environmental turbulence	3	G
HS6091	Scientific Computing	3	G
HS5011	GIS Spatial Analysis and Modeling	3	G
HS6114	Regional oceanography in Taiwan waters	3	G
<b>Taiwan International Graduate Program for Earth System Science (NCU-Academia Sinica)</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Credit</b>	<b>Undergraduate Course(U) or Graduate Course(G)</b>
ES7001	Introductory Earth System Science	3	G
ES7005	General Geophysics	3	G
ES7013	Seminar I	1	G
ES7036	Discussion on Climate Signals: Time Series Analysis III	3	G
ES7055	Special Topics on Atmospheric Radiation	3	G
ES7067	Special Topics in Earthquake Science	2	G
ES7069	A Journey to the Center of the Earth	2	G

Update: JUL, 2019