

Guidelines for Students Enrolling in the Non-Degree Conferring Program in Environmental Earth Sciences

Confirmed and approved by a meeting of the College of Earth Sciences Curriculum Committee on February 20, 2003

Amended and approved by a meeting of the National Central University Curriculum Committee on March 21, 2003

Amended and approved by a meeting of the Academic Affairs Committee on March 27, 2003

Amended and approved by a meeting of the College of Earth Sciences Curriculum Committee on March 2, 2005

Amended and approved by a meeting of the National Central University Curriculum Committee on March 15, 2005

Amended and approved by a meeting of the Academic Affairs Committee on March 31, 2005

Amended and approved by a meeting of the College of Earth Sciences Curriculum Committee on May 15, 2006

Amended and approved by a meeting of the National Central University Curriculum Committee on May 29, 2006

Amended and approved by a meeting of the Academic Affairs Committee on June 14, 2006

Amended and approved by a meeting of the College of Earth Sciences Curriculum Committee on May 21, 2007

Amended and approved by a meeting of the National Central University Curriculum Committee on May 31, 2007

Amended and approved by a meeting of the Academic Affairs Committee on June 13, 2007

1. The aim of this program is to provide students majoring in other fields with specialized knowledge and practical skills in Environmental Earth Sciences that will be of practical use in environmental and Earth Sciences-related work.
2. Students studying in any college in the University may apply for entry into this program.
3. University students will be regarded as having completed this program after earning 20 or more course credit hours from the program curriculum. They shall have the name of the program as well as the number of credit hours earned clearly indicated on their transcript and shall also be awarded a certificate of completion.
4. This program's courses are divided into required and elective subjects as follows:

(1) Required Subjects:

Categories	Course Titles	Credit Hours	Course Codes
Core Courses	Introduction to Environmental Chemistry of the Earth	2	AP2042
	Environmental Planning and Management of the Earth	2	AP2019
	Introduction to Earth System Science	2	AP1010, GP1010

(2) Elective Subjects:

Categories	Course Titles	Credit Hours	Course Codes
Earth Environment Systems	Climatology	3	AP3031
	Introduction to Environmental Science	3	AP3039

(at least three credit hours)	Hydrology	3	GP4070
	Oceanography	3	GP4095
	Environmental Geology	2-3	GP4062, AG7025
Earth Environment Monitoring Technology (at least three credit hours)	Atmospheric Instrumentation and Observation I	3	AP2039
	Environment Remote Sensing and Practices	3	AP3048
	Geophysical Monitoring and Practices	3	GP3005
	Introduction to Geographic Information System	2-3	GP3007, CI4050
	Principle of Environmental Sampling and Analysis	2	AP4041, EN6045
Pollution of the Earth's Environment and Natural Disaster Prevention (at least three credit hours)	Environmental Impact Assessment Technology	2-3	AP4017, EN6012
	Air Pollution Control Theory	3	AP4020, CH2019 CI4011
	Water Pollution Control	3	HS6061, CI3008
	Groundwater and Soil Pollution Control	2-3	GP4002, GP4008 EN6023, GP4010
	Environmental Hazard	3	AP3019

5. Whether courses with similar titles and content taken in other University programs can be accepted in lieu of courses offered by this program shall be left to the discretion of the College of Earth Sciences.

6. These guidelines shall be implemented and entered into force upon approval by a meeting of the Academic Affairs Committee. The same procedure applies to any amendment of these guidelines.