

GEOG3205 Environmental Hazards**TIMETABLE ARRANGEMENT:** Annual; 2nd Semester**CREDITS:** 6**COURSE TEACHER(S):** Professor Liqing PENG**ASSESSMENT:**

EXAMINATION 60 %	COURSEWORK 40 %
• 2 hours	• Data Response • Essay

OBJECTIVES:

This course introduces students to a wide range of environmental hazards, their impacts on human societies and the planning and mitigation measures which can be employed to manage these.

COURSE SYNOPSIS:

This course examines a range of environmental hazards of geological, geomorphological, atmospheric, biological and human origin focussing on their origins, characteristics and impacts on human society. It will also deal with the responses available to different societies to deal with these hazards including disaster relief, loss sharing and event modification adjustments. Basic hazard planning and management principles are outlined. Where practicable local and regional examples will be used as illustrations.

LECTURE TOPICS:

- Definitions, perceptions and adjustments
- Geological and geomorphological hazards
- Hydrological and atmospheric hazards
- Biological and other environmental hazards
- Comprehensive hazard management and planning

RECOMMENDED READING LIST:

- Keller, E.A. (2008) Natural Hazards: Earth's Processes as Hazards, Disasters and Catastrophes, 2nd edition. New Jersey: Pearson Prentice Hall.
- Smith, K. (2011) Environmental Hazards: Assessing Risk and Reducing Disaster, 6th edition. London: Routledge.

Course Learning Outcomes (CLOs) After completing this course, students would be able to:		Alignment with Programme Learning Outcomes (PLOs)*						Course Assessment Methods
		1	2	3	4	5	6	
1	Obtain knowledge of a wide range of environmental hazards	✓	✓					Data Response, Exam
2	Develop an understanding of their origins, characteristics and impacts on human society	✓	✓					Data Response, Essay, Exam
3	Characterise and compare the responses available to different societies to deal with hazards	✓	✓					Essay, Exam
4	Demonstrate an understanding of hazard management	✓	✓					Essay, Exam
5	Acquire critical reading and writing skills				✓			Data Response, Essay
6	Develop data analysis/interpretation skills			✓			✓	Data Response
7	Enhance individual presentation skills			✓	✓			Data Response, Essay
8	Think critically about the relationship between environmental hazards and human societies	✓	✓					Data Response, Essay

***Geography Major Programme Learning Outcomes (PLOs)**

In order to meet the demands and challenges in this dynamic and ever-changing world, the Department has designed a series of well-structured and contemporary courses to cater to the different interests of students. Its courses are designed to align with the University's educational aims which hope to nurture future generations not only with a critical and intellectual mindset, but also with a passion to contribute to society in general.

After completing the programme, Geography Major students should be able to:

PLO1 critically analyse the geographical aspects of the relationship between people and the natural environment;

PLO2 demonstrate and develop an understanding of how these relationships have changed with space and over time;

PLO3 identify, collect and utilize primary and secondary data to investigate and analyse the issues and problems facing people, places and society;

PLO4 integrate, evaluate and communicate information from a variety of geographical and other sources;

PLO5 participate in promoting social, economic and environmental sustainability at the local, regional and global scales; and

PLO6 effectively apply a range of transferable skills in academic, professional and social settings.