

GEOG4005 Research Frontiers in Physical Geography**TIMETABLE ARRANGEMENT:** Annual; Full-year**CREDITS:** 12**COURSE COORDINATOR:** Professor Wendy Y CHEN**ASSESSMENT:****COURSEWORK 100 %**

- Brief papers (40%)
- Discussion (20%)
- Presentation (40%)

OBJECTIVES:

1. Expose senior undergraduate students to cutting-edge research in physical geography
2. Analyze human-environment interactions from various geographical perspectives
3. Recognize key research questions across physical geography discipline
4. Familiarize with the general procedure of theoretical inquiry in the field of physical geography

COURSE SYNOPSIS:

This course covers key areas of scientific investigation at the cutting-edge of the physical geography domain. It aims to expose students to current research topics and endeavours in physical geography and their policy implications, and provide research postgraduate students with a comprehensive understanding of the key theories and methodologies that underpin the knowledge base. State-of-the-art scientific investigation within various fields of physical geography domain will be elaborated, with a particular focus on climate change, water resources and management, ecosystem functions and sustainability, and human dimensions of global change.

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	understand the key theories and new methods in physical geography	✓	✓	✓	✓		✓	Brief papers, Discussion, Presentation
2	analyse people-physical environment interactions from various geographical perspectives	✓	✓		✓	✓		Brief papers, Discussion, Presentation
3	recognise key research questions across physical geography discipline	✓		✓			✓	Brief papers, Discussion, Presentation
4	familiarise with the general procedure of theoretical inquiry in the field of physical geography		✓	✓	✓	✓		Brief papers, Discussion, Presentation

***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.