GEOG 3860 Problems in the Physical Geography of China (3,3,0)

Prerequisite: GEOG 2110 Regional Geography of China

An examination of how the various physical processes interact with China's socio-political milieu to effect the current physical landscapes and the kinds of environmental problems that the country has to face. A problem-oriented approach, with a view to improving the management of China's physical/environmental system, is adopted.

GEOG 3870 Geography of Environmental Hazards (3,2,1)

Natural hazards research in a geographical context are introduced. The course provides a comprehensive introduction to the causes of climatic and geological hazards, and human response and adjustment.

GEOG 3880 Rural and Agricultural Development in China (3,2,1)

Prerequisite: GEOG 2110 Regional Geography of China or consent of the instructor

An examination of (1) the physical and historical factors affecting China's agriculture, (2) institutional changes since 1949 in China's rural sector, and (3) underlying contemporary problems and programmes concerning agricultural growth and rural development. Field study in China may be required.

GEOG 3890 Urban Development in China (3,3,0)

Prerequisite: GEOG 2110 Regional Geography of China or consent of the instructor

This course will provide an insight into the internal structure and external linkage of Chinese cities, and analysis of problems, policies and reforms in China's urbanization and urban economy. Field study in China may be required.

GEOG 3910 Selected Topics in the Geography of China (3,3,0)

An in-depth study of selected issues in the contemporary geography of China. The major socio-economic topics or physical/environmental topics to be discussed have been intentionally designed to be flexible.

GEOG 7010-40 Advanced Seminar on Contemporary Geographic Research (1,*,*)

Geography encompasses a wide range of approaches to research, reflecting the diverse nature of the discipline. This course attempts to expose students to this variety, and to broaden students understanding of our human and physical environment. Emphasis is placed on the development of concepts when carrying out research and on the development of methodologies, by using case examples of geographic research.

GEOG 7510 Resource and Environmental Management in China (3,3,0)

The course introduces the concepts, knowledge and skills in analysing the environmental and resource management issues in China in five broad areas. Firstly, the course begins with a general survey of the environment-resource-population-development system of China. Secondly, it sets the background for an understanding of the basic environmental issues confronting China today, especially those problems associated with energy uses, water pollution, land degradation, and deforestation. Thirdly, the course discusses the development of the environmental management system in China, and the factors which affect the way regulators and polluters alike have responded to China's environmental controls. Fourthly, the course examines the societal responses to resource and environmental problems, particularly on the awareness and participation of the general public in resource conservation and environmental protection. Finally, the course concludes with an examination of China's Agenda 21 and strategies for sustainable development.

GEOG 7520 Urban and Regional Development of China (3,3,0)

The course provides students with an in-depth understanding of China's regional development and urban issues. Economic reform since 1979 has shifted China from a planned economy to one driven by market forces. Consequently, economic development has not only re-established cities' function as economic central places but also generates disparities between urban and rural, and different regions. These changes have generated heat discussions on the country's urbanization and regional development strategy. This includes debates on city size, small-town strategy and the abolition of special economic zones. This course introduces students to these discussions and also recent literature on the topic.

GEOG 7530 Graduate Seminar on Geography of China (3,3,0)

Geographical and environmental concerns underpin much of contemporary China. This graduate seminar allows students to develop an in-depth understanding of selected topics on the geography of China. Students are expected to conduct critical reviews of the latest theoretical and empirical works and undertake a limited research project.

GEOG 7540 Energy Development in China (3,3,0)

In the past two decades, momentous changes occurred in the Chinese energy sector, including changes in the institutional framework—moving from state allocation to the market economy—and with respect to individual energy industries. By the mid-1990s, the problem of energy shortage had largely been resolved, yet the country had become a net oil importer, and is projected to import an increasingly larger amount in the future, with serious implications for the security of energy supply and future oil import outlay. The course takes a comprehensive survey of the Chinese energy sector, including the resource endowment, energy policy since the 1980s, the major energy industries like oil, coal, natural gas, electricity—HEP and nuclear included—and the international energy trade of China. Current issues such as the Three Gorges Dam and the West-East Pipeline are also dealt with.

GEOG 7550 Resource Management in China (3,3,0)

This course introduces the concepts, knowledge and skills in natural resource evaluation and management, with the emphasis on and the real-world cases in China. The course is presented in two major parts. The first part begins with the introduction to the concepts about the natural resources and their distribution in China. This is followed by an extensive study on methodology for land and water resource evaluation. The second part presents details about the nature, distribution and utilization of natural resources in China. The environmental conservation and sustainable development in relation to natural resources are also discussed in the subject. Laboratory works for this course focus on resource assessment methods with the aid of remote sensing and geographical information system (GIS) technology. A field excursion to China's mainland is also used to practise field methods for land resource evaluation, and the first-hand experience in the regional natural resources management.

GEOG 7560 Rural and Agricultural Development in China (3,2,1)

An examination of (1) the physical and historical factors affecting China's agriculture, (2) institutional changes since 1949 in China's rural sector, and (3) underlying contemporary problems and programmes concerning agricultural growth and rural development. Field study in China may be required.

GEOG 7570 Urban Development in China (3,3,0)

This course will provide an insight into the internal structure and external linkage of Chinese cities, and analysis of problems, policies and reforms in China's urbanization and urban economy. Field study in China may be required.