

## **GEOG2018 Transport Geography (6 credits)**

**Course Teacher: Dr James J Wang**

### **Objectives**

This course provides an understanding of the spatial structures and development of transport systems from a people-oriented geographical approach.

### **Course Synopsis**

This approach emphasizes the role of people in determining the evolution and use of transport systems and the role of the transportation systems in serving and changing our daily life through improving accessibility and mobility. The course will cover the fundamentals of geographical analysis on transport, the analysis on transport demand, supply and regulations, and the relationship between transport and development. Case studies of airports, ports, and urban transport networks provide explanations about the mechanisms and dynamics of transport systems in different geographical situations, and how they interact with local and global development.

### **Lecture Topics**

- Fundamental aspects of transportation geography
- Introduction to the evolution of transportation systems
- Issues of transport and development
- Geographical analysis of transport system analysis by mode: Maritime, air, and land
- Geographical issues of inter-modal transport and logistics
- Sustainable transport

### **Assessment**

Examination (two hours) 60%; coursework 40% (consists of one essay and class discussion).

### **Learning Outcomes**

Knowledge:

- Understanding of transport as a key element in development at any geographical scale
- Comprehension of individual modes of transport and their role in changing mobility and accessibility patterns
- Awareness of the vast impact of transport on globalization and sustainable development

Skills:

- Basic methodologies of geographical analysis of transport systems
- Ability to decompose a complicated real-world system from different perspectives
- Capacity to comprehend a networked phenomenon that affect geographical patterns of our daily life

### **Recommended Reading List**

1. Hoyles, B.S & R. Knowles (eds.) (1998) *Modern Transport Geography*, 2<sup>nd</sup> edition. London: Belhaven.
2. Taaffe, E.J., Gauthier, H.L. & O'Kelly, M.E. (1995) *Geography of Transportation*, 2<sup>nd</sup> edition. New Jersey: Prentice Hall.