UNIVERSITY OF MORATUWA, SRI LANKA

DEPARTMENT OF TRANSPORT AND LOGISTICS MANAGEMENT

Course Title	**TRANSPORT GEOGRAPHY AND MAPPING**				
Course Code	TL 1013	**Credit Weight**	3	**Pre-requisites/ Co-requisites**	None
Duration	15 Weeks				
Lectures	3.5 hours weekly (08.45 a.m. to 12.15 p.m. on Wednesdays)				
Tutorial	1.5 hours weekly (1.15 p.m. to 2.45 p.m. on Wednesdays)				
Coordinator	SN Bentotage (SB)				
Facilitator	SN Bentotage (SB)				
Tutor	Ms. Sashini Ranabahu (SR)				
Course Description	This course is developed to make students identify the geographic information that would require for describing the man-space relationship in the context of transport and logistics operations and correlate the branches of geography such as human geography and physical geography with the function of transport.				
Intended Learning Outcomes: Students will be able to -	A. Identify and describe the importance of geography in the function of transport. B. Demonstrate the knowledge on the globe and the solar system. C. Apply the key steps involved in map production and look on to the use of maps in the function of transport and decision making. D. Recognise the World, its countries and geographical features. E. Demonstrate the understanding of urban and suburban growths, spatial dynamics, cities, connectivity, population, housing, industry and road networks. F. Demonstrate the understanding of cultures and change of cultures, differences, occupations, migration, education, trade, languages and religions.				

LESSON 1 - Geography and Transport

Focus: Students will;

a. Realise the development of Geography as a subject.
b. Appreciate the importance of the Geography knowledge.
c. Analyse the need of moving humans and goods.

LESSON 2 - Earth and the Solar System

Focus: Students will;

a. Recognise the solar system and the movements of planets.
b. Realise the Earth's and moon's movements and resulting effects: seasons, time differences, tides etc.
c. Learn earth's phenomena like precipitation, winds and climates.
d. Analyse the challenges for transport with the seasonal effects.
e. Realise the key steps for acquiring data to produce maps.
f. Recognise the key steps involved in map production, use of aerial photographs and topographic maps.

LESSON 3 - Producing Maps

Focus: Students will;

a. Recognise the usefulness of maps.
b. Realise the specific effects of maps like, contours, boundaries, symbols.
c. Recognise the use of contour map to describe the geographical features.
d. Develop the ability of map reading.
e. Appreciate using of maps to communicate various information.

LESSON 4 - Projections of World Maps

Focus: Students will;

a. Recognise various methods of projections of the globe into a planer maps.

b. Realise the possible distortion to the shape or area of the countries when producing maps two dimensionally.
c. Develop the knowledge on great circles and use of them in navigation.

LESSON 5 – Divided World

Focus: Students will;

a. Recognise the world political map.
b. Learn about the states, nationalities and nationalism.
c. Recognise Kingdoms, Empires and Republics.
d. Analyse boundaries and shapes of countries.

LESSON 6 – Human Settlements

Focus: Students will;

a. Analyse the characteristics of settlements.
b. Realise the functions of settlements and explain the functional changes.
c. Analyse the urbanisation in MEDCs and LEDCs.

LESSON 7 – Urban Settlements

Focus: Students will;

a. Analyse the reasons for increasing populations in urban settlements.
b. Learn the theories and urban growth models to explain the growth of any urban area.
c. Explore the urban problems of MEDCs and LEDCs.
d. Explore the reasons for migration.
e. Explore the reasons for urban sprawl.
f. Explore the counter urbanisation.