CV8004 Modern Marvel – People/Goods Mover

[Lecture: 39 hr; Tutorial: 0 hr; Lab: 0 hr; Pre-requisite: Nil; Academic Unit: 3.0]

LEARNING OBJECTIVE

To introduce the operation of land transportation system, identify the urban transportation problem and specify state-of-the-art solution strategies including technology-based/people-centered methods and institutional policy making, inspire students’ independent thinking on urban transportation problem solving.

COURSE CONTENT

Introduction to Land Transportation Systems, Nationwide diverse transportation needs, Traffic congestion nightmare and innovative solutions, Public transport as a mode choice, Traffic safety issues, Goods movement and logistics, Concept of Green transportation, Institutional transportation policies.

LEARNING OUTCOME

Upon completion of the course, students should be able to:
(a) understand how the urban transportation system is operated and run
(b) appreciate urban transportation policy
(c) have interest in solving urban transportation problems around our life

TEXTBOOKS

No specific text is required since the course covers a diverse range of topics

REFERENCES