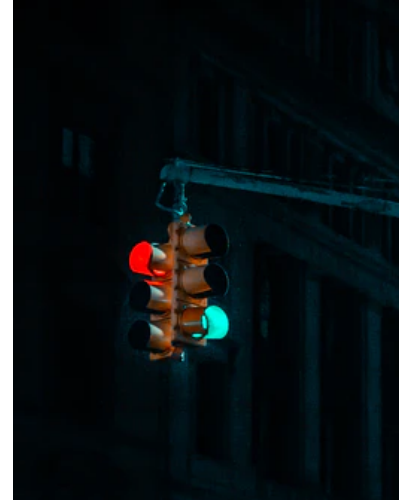


Unit 8: Geographical Information Systems

Syllabus

-OVERVIEW & PURPOSE

This lesson briefly introduces the topic of geographical information systems (GIS). Students should obtain a working knowledge of what it is, and how it works. Students should learn a brief history of the technology, the role it plays today, and its incredible potential for the future. Finally, students will learn about the role GIS play in the logistics industry and their need to become well acquainted with this technology to succeed in the 21st century.

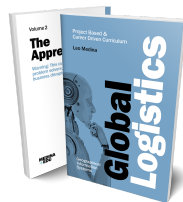


COURSE LEARNING OBJECTIVES

1. Understand the basic concepts of GIS.
2. Understand the potential the technology has and the need to become well acquainted with it to succeed in the 21st-century industry of logistics.

MATERIALS NEEDED

- Computer
- Internet Access
- Text Book



DESCRIPTION OF ACTIVITIES

For each module please expect the following activities:

- Read through the lesson/session contents (including articles) and watch videos
- Stimulating Discussion
- Take a short quiz on the material presented
- Complete a written assignment with open-ended responses
- New Retail Store Scenario Project
- Group Project Presentation

Unit 8: Geographical Information Systems

FOUR WEEK LESSON OUTLINE

Week 1: Theory & Stimulating Discussion

- 8.1 What are Geographical Information Systems
- 8.2 The History of Geographical Information Systems
- 8.3 GIS Today and its Role in Logistics
- 8.4 The Potential of Geographical Information Systems and the Need to Become Acquainted with them

Week 2: Case Study Research, Data Mining & Research Essay

- Research and investigate questions 1 & 2
- Write Research essay
- Case Study 1: Define GIS
- Case Study 2: GIS in Logistics

Week 3: Collaborative Project Idea, Creation & Development and Problem Solving

- Project 1: New Retail Store Scenario

Week 4: Project Presentations

- Group presentations before classmates