

SYLLABUS
PART I
EDISON COMMUNITY COLLEGE
SCM 120S TRANSPORTATION MANAGEMENT
3 CREDIT HOURS

COURSE DESCRIPTION

Analysis of current methods of transportation used to deliver goods. Topics include exploration of the infrastructure of each form of transportation, how it developed into what it is today, and where the field is going in the future. Other topics include how government directs transportation in the areas of safety, needs of the economy, and national policy.

COURSE GOALS

The student will:

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| 1. Describe the government's involvement in transportation. |
| 2. Describe the modes of transportation and modal interrelationships and competition in the context of the transportation market: commodities, goods, products and customers. |
| 3. Apply the knowledge of transportation to determine what method best suits various situations. |
| 4. Identify the operations, financial considerations, rate determination, and types of services of each transportation mode. |
| 5. Describe the flow of goods from the end of the production line to the customer. |
| 6. Relate inbound logistics to just-in-time inventory philosophy. |
| 7. Describe the challenges that face emerging carriers. |
| 8. Explain how the goals of private and public transportation differ. |

CORE VALUES

The Core Values are a set of principles which guide in creating educational programs and environments at Edison. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives, and activities in this course will introduce/reinforce these Core Values whenever appropriate.

TOPIC OUTLINE

1. Government role in transportation
2. Highway carriers
3. Railroads
4. Pipelines
5. Air transportation
6. Outbound logistics
7. Inbound logistics
8. Traffic management
9. Managing carriers
10. Emerging carriers
11. Managing transportation in the public sector
12. International Transportation