



Wayne County Community College District

COURSE SYLLABUS

LRT 242 Railroad Communications

CREDIT HOURS: 4.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:

This course introduces students to a basic understanding of railroad communications. Course topics include: frequency and pulse modulation, AM and FM transmitters and receivers, electromagnetic radiation, digital data communication, and all applicable laws and regulations.

PREREQUISITE: *LRT 240*

EXPECTED COMPETENCIES:

Upon completion of this course, the student will be familiar with:

- Understanding the uniqueness of rail transportation, when compared with other transportation modes and recognizing the elements that together form a complete rail transportation system.
- Providing fundamental knowledge of each key element in the system and introduce students to commonly used terminology, tools and methodologies.
- Improve student's skills to analyze and utilize covered material by requiring students to use creative thinking and team work for solving open ended problems.

ASSESSMENT METHODS:

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A
80%-89.9% = B
70%-79.9% = C
60%-69.9% = D
<60% = E