



# Wayne County Community College District

## COURSE SYLLABUS

### LRT 201 Safety in the Railroad Workplace

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**CREDIT HOURS:** 3.00

**CONTACT HOURS:** 45.00

**COURSE DESCRIPTION:** This course covers the principles, policies and regulations governing safe work practices in the rail industry. The learner will be guided through an understanding of how “Safety Culture” gets established in all work settings. The meaning of track signs and signals will be covered as well as working with telemetry devices, getting on and off static and moving equipment, crossing over static equipment, using radios, providing flag protection, and troubleshooting. Railway safety inspections pre-departure and in route will be covered.

**PREREQUISITES:** LRT 102

#### **EXPECTED COMPETENCIES:**

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

- Describe general railway safety policies, including the application of team processes, use and care of personal protective equipment, as well as lockout/tagout procedures.
- Explain the role of safety programs in the workplace and an individual’s responsibility to work safely.
- Describe train and equipment inspections in both pre-departure and in route situations.
- Describe passenger evacuation procedures.
- Describe the records, forms and reports associated with train and equipment inspection
- Describe the procedures for monitoring the safety and operational status of trains, equipment and track.
- Identify common hand signals, track signs as well as block and interlocking signals used on a railway.
- Demonstrate how to board and detrain stationery and moving railcars and cross over stationary equipment safely.

#### **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