COURSE SYLLABUS

MCT 210   PROGRAMMABLE LOGIC CONTROLLERS - SIEMENS

CREDIT HOURS: 3.00

CONTACT HOURS: 60.00

COURSE DESCRIPTION:
Siemens programmable controller hardware such as I/O modules, I/O devices and software such as times and counters, arithmetic, compare and move instructions, data communications, installation and troubleshooting will be covered. Students will learn ladder diagram programming using Siemens PLC family.

PREREQUISITE: *NONE*

EXPECTED COMPETENCIES:
Upon successful completion of this course, the student will be able to:
- Understand the fundamentals Programmable Logic Controllers systems.
- Identify the types of PLC communications and network systems.
- Design, edit, test, and document PLC Ladder Logic Programs.

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