ELEC 2232: Home Technologies II

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

The student will learn about the basic concepts, terminology, equipment, and the techniques that are needed in the development control systems. X10 and Omni II systems will be programmed and troubleshoot (Prerequisites: ELEC1402.) (2 credits: 2 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/18/2011 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
D. LEARNING OUTCOMES (General)
   1. Analyze local area network components
   2. Explain power line control technology
   3. Identify X10 technology
   4. Explain phase couplers
   5. Identify house and unit codes
   6. Analyze network function
   7. Identify three and four way light circuits
   8. Analyze terminology
   9. Analyze macro
   10. Identify timers
   11. Categorize network standards
   12. Identify hardware
   13. Operate controller
   14. Identify bus topology
   15. Analyze alarm loops
   16. Develop alarm zone plan
   17. Build alarm loop
   18. Check network terminations
   19. Associate sending functions
   20. Identify network cabling
   21. Associate controller functions
   22. Apply cable terminations
   23. Troubleshoot controller
   24. Associate bridge functions
   25. Understand basic codes
   26. Associate interface functions

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted