ELWT 1104 Basic Digital

This course is designed to give the student a basic understanding of digital electronics, the fundamental building blocks of computers and many electronic systems used today. Topics covered in the basic digital course are:

1. Principles of digital systems
2. Difference between Digital and Analog systems
3. Binary number systems
4. Hexadecimal numbering systems
5. Logic functions and gates
6. Boolean Algebra
7. Quartis PLC programming software
8. Combinational Logic Functions
9. Basic Digital Arithmetic and Arithmetic Circuits
10. Sequential Logic

The information in this course outline is subject to revision

Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or Minnesota Relay Service at 800-627-3529 or by using your preferred relay service.

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