

North Central Michigan College

NCMC MASTER COURSE SYLLABUS FOR YEARS 2001-2003

DIVISION/AREA: Business and Technology

DEPARTMENT:

DIVISION DIRECTOR: Robert J. Marsh, Ph.D., P.E.

ORIGINATOR:

DEAN OF INSTRUCTION: Timothy Dykstra, Ph.D.

TOTAL HOURS OF INSTRUCTION: 6 LECTURE: 3 LAB: 3 TOTAL CONTACT HOURS: 105.6

COURSE NUMBER: EGT 255

CREDIT HOURS:

COURSE TITLE: Electronic Circuits and Devices

TRANSFERABLE YES: NO: X TO:

PREREQUISITE(S)/COREQUISITE(S)/ADVISORY: EGT 150

CATALOG DESCRIPTION:

Beginning with diodes, this course accelerates the coverage of discrete electronic devices, circuits and IC Devices (integrated circuits). An understanding of analog and digital electronics is achieved with related laboratory exercises along with the ability to troubleshoot systems of electronics. Prerequisite: EGT 150

GENERAL EDUCATION OUTCOMES:

- Think critically and analytically
 - Independently acquire knowledge
 - Select and use mathematical tools for problem solving and decision making
-

COURSE OBJECTIVES & OUTCOMES:

METHODS OF INSTRUCTION: Lecture, hands on exercises, homework assignments, lab exercises

METHODS OF EVALUATION:

Evaluation Criteria:	Test 1.....	15%
	Test 2.....	15%
	Test 3.....	15%
	Final Exam.....	25%
	Labs.....	30%

REQUIRED TEXTS:

Textbook: Electronic Devices Electron Flow Version
 By Thomas L Floyd, Fourth Edition

Lab Manual: Experiments in Electronic Devices, Sixth Edition by Berlin

OPTIONAL SUPPLEMENTARY MATERIALS:

Reasonable accommodations may be provided for students with documented physical, sensory, cognitive, systemic, and/or psychiatric disabilities. Please contact the Education Opportunity Program (EOP) at (231) 348-6687 to arrange services for this course.

TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON _____