

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: 0.75 LECTURE: 0.75 LAB: 0

TOTAL CONTACT HOURS: 13.2

COURSE NUMBER: TDT 115

CREDIT HOURS: 0.75

COURSE TITLE: Introduction to Drafting

TRANSFERABLE

YES:

NO: X

TO:

PREREQUISITE(S)/COREQUISITE(S)/ADVISORY: CAP 100, TDT 110, TDT 111

CATALOG DESCRIPTION:

Fundamental drafting principles are learned. Existing drawings are edited and computer skills are developed using CAD (Computer Aided Design) software.

GENERAL EDUCATION OUTCOMES:

- Independently acquire knowledge
 - Select and use mathematical tools for problem solving and decision making
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COURSE OBJECTIVES & OUTCOMES:

- Be able to produce 1D and 2D drawings with AutoCAD
- Understand the advantages and limitations of 2D CAD
- Be able to effectively print AutoCAD output

METHODS OF INSTRUCTION:

Lecture and hands on class exercises using AutoCad in the computer lab.

Exercises: Students will complete exercises from Instant AutoCAD during class time with the instructor's assistance. Exercises 2A – 2D, 3A – 3J, and 4A – 4I saved to a disk (provided by student) will be used to represent the portion of the grade indicated above in the Evaluation Criteria section.

Test: This final exam to be taken during the last class. It is an orthographic projection drawing of a pictorial sketch. One hour and 25 minutes is allowed to complete it. Every effort must be made on your part to take the test during the scheduled time. In the event that it is not possible to do so, you will be expected to make an appointment to take the test prior to the scheduled time. If this is not done, you have forfeited the opportunity to take the test and will therefore fail the course.

METHODS OF EVALUATION:

Exercises.....50%
Test50%

REQUIRED TEXTS: Instant AutoCAD, Prentice Hall 2000 Edition, by Christine A. Ethier

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:

Week	Chapter/Units	Topic
1		Introduction to AutoCAD Line drawings
2		Line drawings (CAD) Simple two dimensional drawings

3		Room layouts, mechanical details Isometrics, measurements
4		Intro to 3-D in AutoCAD Perspectives Solid shapes Exam

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON _____