

COURSE TITLE AND NUMBER: TDT 110 Master.doc

North Central **Michigan College**

NCMC MASTER COURSE SYLLABUS

Last Date Revised: February 2004

DIVISION/AREA: Business and Technology

DEPARTMENT:

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

ORIGINATOR:

DEAN OF INSTRUCTION: Timothy Dykstra, Ph.D.

TOTAL HOURS OF INSTRUCTION: LECTURE: 0.75 LAB: 0 TOTAL CONTACT HOURS: 13.20

COURSE NUMBER: TDT 110

CREDIT HOURS: 0.75

COURSE TITLE: Sketching

TRANSFERABLE YES: NO: X TO:

PREREQUISITE(S)/COREQUISITE(S)/ADVISORY: None

CATALOG DESCRIPTION:

Freehand renditions of objects of escalating complexity are created using isometric perspective and orthographic projection techniques. An introduction to drafting terminology and line types is included.

GENERAL EDUCATION OUTCOMES:

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

- Gain understanding of perspective drawings
 - Gain understanding of basic drafting and sketching terminology
 - Gain understanding of orthographic projection techniques
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METHODS OF INSTRUCTION: Lecture, in class sketching exercises

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METHODS OF EVALUATION: In class exercises, homework assignments, quizzes and exams

REQUIRED TEXTS: Print Reading for Industry, 2002 Edition, by Walter C. Brown

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	1, 2, 5, 6, 7, 8	Orthographic projection Steel measurements
2	12	Orthographic projection sketches Dimensioning Quiz
3	18	Class presentations- pictorial sketches Projected figures
4	18	Cubes, cylinders pictorial Test review Test

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON _____