COURSE OUTLINE
Revision: Loc Nguyen - Date: February 2009

DEPARTMENT: Drafting Technology
CURRICULUM: Drafting
COURSE TITLE: Geometric Dimensions and Tolerancing
COURSE NUMBER: TDR 280
TYPE OF COURSE: Vocational Preparatory
COURSE LENGTH: 1 quarter
CREDIT HOURS: 4
LECTURE HOURS: 33
LAB HOURS: 22
CLASS SIZE: 18
PREREQUISITES: Concurrent TDR 125 or permission

COURSE DESCRIPTION:
Basic interpretation of geometric tolerances on engineering drawing. All studies are based on ANSI Y14.5M-1982.

STUDENT LEARNING OUTCOMES AddRESSED:

1. Communication - Use communication skills to work effectively with co-workers.
2. Critical Thinking and Problem Solving - Use problem solving skills to interpret geometric symbols.
3. Personal Responsibility - Observer all appropriate safety procedures.
4. Information Literacy - Access and evaluate information from a variety of sources regarding tolerances.
GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Read and interpret geometric symbols.
2. Explain the feature control frame.
3. Distinguish the differences between the various types of tolerances.

TOPICAL OUTLINE:                        APPROX. HOURS

I. Feature control frame  7
II. Form tolerances   8
III. profile tolerances  8
IV. Orientation tolerances  8
V. Location tolerances  8
VI. Run-out tolerances  8
VII. Projected tolerance zone  8

Total 55