



**BAKER COLLEGE
STUDENT LEARNING OUTCOMES**

**EGR1010A Engineering Graphics
2 Semester Hours**

Student Learning Outcomes & Enabling Objectives

1. Summarize various industries and application of the product development process.
 - a. Explore industry handbooks, catalogs, and engineering resources available.
 - b. Define product development cycle/process in various industries.

 2. Evaluate detail and assembly drawings from various industries.
 - a. Analyze components of working drawings (detail and assembly).
 - b. Interpret working drawings using basic rules of dimensioning, tolerancing, and GD&T.

 3. Create drawings according to standards and product/process requirements (LAB).
 - a. Construct detailed drawings including orthographic views, auxiliary, sectional views both manually and using Computer-Aided Design (CAD)
 - b. Modify detail drawings including orthographic views, auxiliary, sectional views both manually and CAD.
 - c. Construct assembly drawings both manually and using CAD.
 - d. Modify assembly drawings both manually and using CAD.
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These SLOs are not approved for experiential credit.

Effective: Fall 2017