



**BAKER COLLEGE
STUDENT LEARNING OUTCOMES**

**EGR 2990 Capstone Project
3 Semester Hours**

Student Learning Outcomes & Enabling Objectives

1. Summarize concepts of Technical Development Projects
 - a. Explain function of project management within technical teams
 - b. Compare contemporary project management tools with tools of the past 50 yrs
 - c. Demonstrate the role of technical standards in project development process

 2. Develop a project design given a set of requirements
 - a. Manage the three basic goals of a project; quality, cost, and time
 - b. Formulate criteria for project selection and plan
 - c. Predict potential problems for activities in all network paths
 - d. Optimize a project budget based on timing and design requirements
 - e. Perform technical analysis that will be used to inform the design
 - f. Create documents to show a project's cost, geometry, and manufacturing method
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These SLOs are not approved for experiential credit.

Effective: Fall 2017