



**BAKER COLLEGE
STUDENT LEARNING OUTCOMES**

**EGR 4910 Engineering Project Management
3 Semester Hours**

Student Learning Outcomes & Enabling Objectives

1. Summarize concepts of Project Management
 - a. Explain function of project management within engineering teams
 - b. Compare contemporary project management tools with tools of the past 50 yrs
 - c. Explore role and standards of professional ethics within engineering
 - d. Demonstrate the role of sustainability in project development process
 - e. Predict the impact of cultural differences on projects

 2. Develop project management plan
 - a. Manage the three basic goals of a project; quality, cost, and time
 - b. Formulate criteria for project selection and plan
 - c. Manage the process of breaking engineering projects into subtasks
 - d. Construct and analyze a project timeline
 - e. Predict potential problems for activities in all network paths
 - f. Optimize a capital project budget and cash flow
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These SLOs are not approved for experiential credit.

Effective: Fall 2017