



**BAKER COLLEGE**  
**STUDENT LEARNING OUTCOMES**

**PPM 4010 Project Cost and Budget Management**  
**3 Semester Hours**

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**Student Learning Outcomes & Enabling Objectives**

1. Explain why projects and organizational strategies must align with cost, budget and time.
    - a. Build a resourced schedule and include splitting and multitasking.
    - b. Develop a status report.
  
  2. Explain how the work breakdown structure (WBS) and responsibility matrix are developed.
    - a. Create a WBS down to the third level for a project
    - b. Create a project responsibility matrix
  
  3. Forecast project costs and manage control issues.
    - a. Explain Earned Value and its components:
      - i. Budgeted Cost of Work Performed,
      - ii. Actual Cost of Work Performed,
      - iii. Budgeted Cost of Work Scheduled,
      - iv. Schedule Variance,
      - v. Cost Performance Index,
    - b. Forecast cost and its components.
      - i. Estimate Cost to Complete, (ETC)
      - ii. Actual Cost of Work Completed to Date, (AC)
      - iii. Estimate at Completion. (EAC)
  
  4. Analyze the project audit process.
    - a. Explain the components of the project audit
    - b. Explain the project audit process
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**Big Ideas and Essential Questions**

**Big Ideas**

- The development of a project plan (schedule) brings together the three constraints- cost, time, and resources
- Working within a team reinforces what a Project Manager will face in the workaday world. The PM is not an individual contributor role.
- A properly planned and constructed WBS is the core of every project.

## Essential Questions

1. To what level should a project WBS be developed to and why?
  2. What is a resource loaded network?
  3. How can project costs be estimated?
  4. What reports are available to a PM from MS Project?
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These SLOs are approved for experiential credit.

**Effective: Fall 2017**