**Outcome:** Students will work in a team environment to plan for an application based industrial project and demonstrate tenants of effective project management to include but not limited to:

* 1. Time management
  2. Budget management
  3. People management
  4. Resource management

**Lecture:** Lecture to review and discuss:

1. Effective Project Management – Starts during Scope of Project
   1. Time Management
      1. Personal and professional
      2. Planners
      3. To-Do Lists
      4. Gantt Charts
      5. PIGS
      6. Distractions

B. Budget Management

* + 1. Estimated vs Actual
    2. Keeping track of financials

C. People and Resource Management

* + 1. People
    2. Equipment
    3. Information

**Homework:**

* Time management is not just necessary in projects, but it can be used by students to become efficient and effective in their study habits. Complete the 2 Week Planner – Template for two weeks and the Daily To Do List and Planner – Template for one week. Have a discussion on results.
* Gantt Chart for Capstone Project – Updated weekly
* PIGS Weekly Update Presentation
* House of Cards Project

**Documentation:**

1. Design Project Scope and Background Research.pptx
2. Daily To Do List and Planner – Template.doc
3. 2 Week Planner – Template.doc
4. House of Cards Project.doc
5. House of Cards Score Sheet – Rubric and Results.doc
6. Gantt Chart Explanation.doc
7. PIGS Weekly Update Presentation Description.doc

**Assessment:**

1. Homework
2. Projects
3. Gantt Chart
4. PIGS Weekly Updates
5. Capstone Project Final Binder