# Project Management Course No. 41350 Credit: 0.5

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| **Student name:**  |  | **Graduation Date:** |  |

Pathways and CIP Codes:Engineering & Applied Mathematics (14.0101)

Course Description: An **application / college level** course to teach students the concepts of managing large work related projects at the contractor level. Must be directly tied to the student’s occupational area of interest.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: Pathway Project vision

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Clearly identify what is desired to be created. |  |
| 1.2 | Create a multi-step project (should be multi-student) by defining the opportunity statement. |  |
| 1.3 | List what is to be the end result of the project; what it is that will be created. (This is not what needs to be done to complete the project or how it is to be done). |  |
| 1.4 | list the impact of this project; why it is important and worthwhile to create |  |

## Benchmark 2: Project Initiation

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Initiate the project by identifying the resources and the details needed for the project: the project deliverables, project budget, project sponsor, project manager, scope, due date and project team members and, if desired, their roles. |  |
| 2.2 | Document project initiation phase in a project Charter or Project Initiation Document (PID). |  |

## Benchmark 3: Project Planning

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | project team should collectively plan the steps to complete the project deliverables within the budget and due date. |  |
| 3.2 | outline the scheduling and utilization of project resources. |  |
| 3.3 | Develop GANTT chart for the project complete with schedule, tasks, resource assignments and graphical timeline. |  |

## Benchmark 4: Project Execution

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | Proceed with accomplishment of project deliverables. |  |
| 4.2 | utilize methods such as team progress meetings and/or formal status updates to report adherence to the project plan. |  |

## Benchmark 5: Project Control

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Check, verify and document adherence to quality standards as defined in the project deliverable specifications. |  |

## Benchmark 6: Project Closure

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 6.1 | Prepare a team Closure Report that reconciles budgetary results, provides an overview of the project, and analyzes the effectiveness of the project management and resource scheduling processes through use of a tool such as a Plus (what went well that we would want to repeat) / Delta (what could have gone better that we would modify next time) Analysis. |  |
| 6.2 | Creating technical documentation, reports, models and/or presentations summarizing the processes, results, and conclusions to industry professionals/real world audiences. |  |

## Benchmark 7: Collaboration

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 7.1 | Demonstrate effective teamwork and interaction through teambased accomplishment of all of the above tasks and elements. |  |
| 7.2 | Practice communication, negotiation and effective teamwork skills in an effort to create a synergistic result. |  |

## Benchmark 8: ancillary project management concepts

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 8.1 | Demonstrate understanding of the concepts and their relevance to Project Management:  |  |
|  | 1. Stakeholder Management
 |  |
|  | 1. Critical Path Method
 |  |
|  | 1. Change Management / Scope Creep
 |  |
|  | 1. Agile Project Management
 |  |
|  | 1. Budgetary Considerations
 |  |
|  | 1. Careers in Project Management.
 |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

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