COURSE OUTLINE: PMC102 - PROJ COST PROCUREMEN

Prepared: Dr. Aaron Gordon Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

| Course Code: TitlePMC102: PROJECT COST & PROCUREMENT MANAGEMENTProgram Number: Name2176: PROJECT MANAGEMENTDepartment:BUSINESS/ACCOUNTING PROGRAMSSemesters/Terms:20F, 21W, 21SCourse Description:This course provides students with tools, techniques, and knowledge on fundamental principles of project costing and budgeting including a deep discussion around contract and procurement management. This course provides guidance on effectively managing the financial aspect of the project including assessing and chosing the right project mix using financial aspect of subject or setimating and budgeting projects, earned value techniques for monitoring financial also covers procurement processes from the requirements stage to contract close out and will discuss Project Manager skills and behaviours needed to ensure project success.Total Credits:3Total Credits:1There are no pre-requisites for this course.Corequisites:There are no pre-requisites for this course.This course se as defined by project sketcholders.VLO202, PMC204Vocational Learning Outcomes (VLO3)2176 - PROJECT MANAGEMENT VLO1 Manage the scope, cost, timing, and quality of the project at all times focused on project success as defined by project sketcholders.Please refer to program web page for a complete listing of program criteria, benchmarks (including financial) and resource requirements in performance criteria, benchmarks (including financial) and resource requirements in performance streter, benchmarks (including financial) and resource requirements in tatt fulfills the purpose and meets the needs of the audience.EES 1Communicate clearly, concisely and correctly in the writ | | | | | | |
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| | EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others. | | | | | | | | |
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| | EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals. | | | | | | | | |
| | EES 10 | EES 10 Manage the use of time and other resources to complete projects. | | | | | | | |
| | EES 11 | EES 11 Take responsibility for ones own actions, decisions, and consequences. | | | | | | | |
| Course Evaluation: | Passing Grade: 0%, D | | | | | | | | |
| | A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation. | | | | | | | | |
| Books and Required Resources: | | A Guide to the Project Management Body of Knowledge by Project Management Institute Publisher: Project Management Institute Edition: 6th | | | | | | | |
| | Procurement Project Management Success by Lindstrom Publisher: J. Ross Publishing Inc. | | | | | | | | |
| Course Outcomes and Learning Objectives: | Course | Outcome 1 | Learning Objectives for Course Outcome 1 | | | | | | |
| | the key t in Projec | entify and understand ey terminologies used oject Cost and urement Management | | | | | | | |
| | Course | Outcome 2 | Learning Objectives for Course Outcome 2 | | | | | | |
| | Procure | e Project Cost and ment Management cribe and apply the es | a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas. | | | | | | |
| | Course | Outcome 3 | Learning Objectives for Course Outcome 3 | | | | | | |
| | 3. Understand the interaction of the process inputs, tools and techniques and outputs of Project Cost and Procurement Management | | a. Students shall identify the logistics of managing procurement. b. Students shall analyze the procurement documents for completeness and accuracy. | | | | | | |
| | Course | Outcome 4 | Learning Objectives for Course Outcome 4 | | | | | | |
| | and proo | the project financial curement attributes ization`s strategic, and operational | a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas. | | | | | | |
| | Course | Outcome 5 | Learning Objectives for Course Outcome 5 | | | | | | |
| | tools an | various estimation d understand the v of each estimation e. | a. Students shall identify the logistics of managing procurement. b. Students shall analyze the procurement documents for completeness and accuracy. | | | | | | |
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| Course Outcome 6 | Learning Objectives for Course Outcome 6 | | | |
|--|---|--|--|--|
| 6. Understand and analyze basic financial statements. | a. Students shall analyze the procurement documents for completeness and accuracy | | | |
| Course Outcome 7 | Learning Objectives for Course Outcome 7 | | | |
| 7. Establish the project financial baseline budget and the required contingency reserves. | a. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Course Outcome 8 | Learning Objectives for Course Outcome 8 | | | |
| 8. Monitor project cost performance using Earned Value Analysis techniques. | a. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Course Outcome 9 | Learning Objectives for Course Outcome 9 | | | |
| 9. Identify the tools for evaluating the economic feasibility of project alternatives and make decisions on project mix (including prioritization). | a. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Course Outcome 10 | Learning Objectives for Course Outcome 10 | | | |
| 10. Describe the concept of monetary growth and discounting | a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas. | | | |
| Course Outcome 11 | Learning Objectives for Course Outcome 11 | | | |
| 11. Conduct sensitivity analyses on project options | a. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Course Outcome 12 | Learning Objectives for Course Outcome 12 | | | |
| 12. Deploy basic statistical calculations in decision making | a. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Course Outcome 13 | Learning Objectives for Course Outcome 13 | | | |
| 13. Determine the break-even point of a project cash flows | a. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Course Outcome 14 | Learning Objectives for Course Outcome 14 | | | |
| 14. Define Contract and differentiate centralized and decentralized contracting | a. Students shall demonstrate an understanding of the relationship between procurement management and othe project management knowledge areas. b. Students shall identify the logistics of managing procurement. | | | |
| Course Outcome 15 | Learning Objectives for Course Outcome 15 | | | |
| 15. Explain the different types of contracts | a. Students shall demonstrate an understanding of the relationship between procurement management and other | | | |

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| | | | project management knowledge areas. b. Students shall identify the logistics of managing procurement. | | | |
|---|--|-----------|---|--|--|--|
| | Course Outcome 16 16. Develop project procurement plan, procurement categories and change control process. | | Learning Objectives for Course Outcome 16 | | | |
| | | | a. Students shall identify the logistics of managing procurement. b. Students shall analyze the procurement documents for completeness and accuracy. | | | |
| Evaluation Process and Grading System: | Evaluation Type | Evaluatio | n Weight | | | |
| | Final Exam | 35% | | | | |
| | Mid-Term #1 | 20% | | | | |
| | Mid-term #2 | 24% | | | | |
| | Quizzes | 21% | | | | |
| Date: | June 17, 2020 | | | | | |
| Addendum: | Please refer to the course outline addendum on the Learning Management System for further information. | | | | | |

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