



## COURSE OUTLINE: PMC102 - PROJ COST PROCUREMENT

Prepared: Dr. Aaron Gordon

Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

<b>Course Code: Title</b>	PMC102: PROJECT COST & PROCUREMENT MANAGEMENT
<b>Program Number: Name</b>	2176: PROJECT MANAGEMENT
<b>Department:</b>	BUSINESS/ACCOUNTING PROGRAMS
<b>Semesters/Terms:</b>	20F, 21W, 21S
<b>Course Description:</b>	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 choosing the right project mix using financial feasibility, tools for estimating and budgeting projects, earned value techniques for monitoring financial performance of projects, and financial reporting structures for overall governance. The course 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.
<b>Total Credits:</b>	3
<b>Hours/Week:</b>	3
<b>Total Hours:</b>	45
<b>Prerequisites:</b>	There are no pre-requisites for this course.
<b>Corequisites:</b>	There are no co-requisites for this course.
<b>This course is a pre-requisite for:</b>	PMC202, PMC204
<b>Vocational Learning Outcomes (VLO's) addressed in this course:</b>	<b>2176 - PROJECT MANAGEMENT</b>
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	VLO 1 Manage the scope, cost, timing, and quality of the project at all times focused on project success as defined by project stakeholders.
	VLO 3 Define and manage the overall scope of the project, deliverables, constraints, performance criteria, benchmarks (including financial) and resource requirements in consultation with project stakeholders.
<b>Essential Employability Skills (EES) addressed in this course:</b>	<p>EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.</p> <p>EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.</p> <p>EES 3 Execute mathematical operations accurately.</p> <p>EES 4 Apply a systematic approach to solve problems.</p> <p>EES 5 Use a variety of thinking skills to anticipate and solve problems.</p> <p>EES 6 Locate, select, organize, and document information using appropriate technology and information systems.</p> <p>EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.</p>

In response to public health requirements pertaining to the COVID19 pandemic, course delivery and assessment traditionally delivered in-class, may occur remotely either in whole or in part in the 2020-2021 academic year.



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	EES 8 Show respect for the diverse opinions, values, belief systems, and contributions of others.
	EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
	EES 10 Manage the use of time and other resources to complete projects.
	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.

<b>Course Outcomes and Learning Objectives:</b>	<b>Course Outcome 1</b>	<b>Learning Objectives for Course Outcome 1</b>
	1. Identify and understand the key terminologies used in Project Cost and Procurement Management	a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas.
	<b>Course Outcome 2</b>	<b>Learning Objectives for Course Outcome 2</b>
	2. Define Project Cost and Procurement Management and describe and apply the processes	a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas.
	<b>Course Outcome 3</b>	<b>Learning Objectives for Course Outcome 3</b>
	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.
	<b>Course Outcome 4</b>	<b>Learning Objectives for Course Outcome 4</b>
	4. Align the project financial and procurement attributes to organization's strategic, tactical, and operational models.	a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas.
<b>Course Outcome 5</b>	<b>Learning Objectives for Course Outcome 5</b>	
5. Apply various estimation tools and understand the reliability of each estimation technique.	a. Students shall identify the logistics of managing procurement. b. Students shall analyze the procurement documents for completeness and accuracy.	

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<b>Course Outcome 6</b>	<b>Learning Objectives for Course Outcome 6</b>
6. Understand and analyze basic financial statements.	a. Students shall analyze the procurement documents for completeness and accuracy
<b>Course Outcome 7</b>	<b>Learning Objectives for Course Outcome 7</b>
7. Establish the project financial baseline budget and the required contingency reserves.	a. Students shall analyze the procurement documents for completeness and accuracy.
<b>Course Outcome 8</b>	<b>Learning Objectives for Course Outcome 8</b>
8. Monitor project cost performance using Earned Value Analysis techniques.	a. Students shall analyze the procurement documents for completeness and accuracy.
<b>Course Outcome 9</b>	<b>Learning Objectives for Course Outcome 9</b>
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.
<b>Course Outcome 10</b>	<b>Learning Objectives for Course Outcome 10</b>
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.
<b>Course Outcome 11</b>	<b>Learning Objectives for Course Outcome 11</b>
11. Conduct sensitivity analyses on project options	a. Students shall analyze the procurement documents for completeness and accuracy.
<b>Course Outcome 12</b>	<b>Learning Objectives for Course Outcome 12</b>
12. Deploy basic statistical calculations in decision making	a. Students shall analyze the procurement documents for completeness and accuracy.
<b>Course Outcome 13</b>	<b>Learning Objectives for Course Outcome 13</b>
13. Determine the break-even point of a project cash flows	a. Students shall analyze the procurement documents for completeness and accuracy.
<b>Course Outcome 14</b>	<b>Learning Objectives for Course Outcome 14</b>
14. Define Contract and differentiate centralized and decentralized contracting	a. Students shall demonstrate an understanding of the relationship between procurement management and other project management knowledge areas. b. Students shall identify the logistics of managing procurement.
<b>Course Outcome 15</b>	<b>Learning Objectives for Course Outcome 15</b>
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.
<b>Course Outcome 16</b>	<b>Learning Objectives for Course Outcome 16</b>
16. Develop project procurement plan, procurement categories and change control process.	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:**

<b>Evaluation Type</b>	<b>Evaluation Weight</b>
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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