



SULTAN QABOOS UNIVERSITY

COURSE OUTLINE

PROGRAM: Bachelor of Science in NRE

1. Course Code	NREC4105	
2. Course Title	Management of Natural Resource Projects	
3. Credits	3 CH , 12 CP, 6 ECTS	
4. Pre-requisite Course(s)	College Requirement Courses	
5. Co-requisite Course(s)	Nil	
6. Equivalent Course(s)		
7. Incompatible Course(s)		
8. Course Category	<input type="checkbox"/> University Requirement	<input type="checkbox"/> University Elective
	<input type="checkbox"/> College Requirement	<input type="checkbox"/> College Elective
	<input type="checkbox"/> Department Requirement	<input checked="" type="checkbox"/> Department Elective
	<input type="checkbox"/> Specialization Requirement	<input type="checkbox"/> Specialization Elective
	<input type="checkbox"/> Other (specify):	
9. Course Owner	College:	Department: NRE
10. Course Type	<input checked="" type="checkbox"/> Lecture	<input type="checkbox"/> Lecture/Lab
	<input type="checkbox"/> Lecture/Seminar	<input type="checkbox"/> Lecture/Studio
	<input type="checkbox"/> Lecture/Tutorial	<input type="checkbox"/> Lecture/Lab/Tutorial or Seminar
	<input type="checkbox"/> Tutorial	<input type="checkbox"/> Laboratory (Practical)
	<input type="checkbox"/> Field or Work Placement	<input type="checkbox"/> Studio
	<input type="checkbox"/> Seminar	<input type="checkbox"/> Internship
	<input type="checkbox"/> Workshop	<input type="checkbox"/> Project
11. Language of Instruction	English	
12. Course Description		
This foundation course examines the project management framework, including key terminology, project management context, and project management processes. Topics include project management concepts, project characteristics and importance, life cycles, organizational structure and culture, approaches to project screening and selection, leadership and project managers, scope management (the work breakdown structure), project scheduling (networks, duration estimation, critical path determination, Gantt charts, crashing projects, time-cost trade off), team building, conflict analysis and methods for resolving conflict, risk management process and mitigation strategies.		
13. Teaching/Learning Strategies		
In each session concepts and arguments are introduced in a progressive manner and logical linkages of concepts are made where applicable. Concepts and arguments are supported by appropriate examples from local institutions that students are acquainted with and followed by class discussion. This is to engage students with the material and encourage students' active engagement in learning. During the course we introduce project related information from the relevant government agencies in Oman to be used as a basis of class discussion to enhance students' learning. Real-life examples and case study materials are provided to emphasize various project management concepts and issues. The assignments (in the form of class test) and exams are designed to assess the conceptual, analytical, and problem solving skills.		
14. Assessment Components and Weight [%]		
<input checked="" type="checkbox"/> Quizzes 20%	<input type="checkbox"/> Practical	<input type="checkbox"/> Other (specify):
<input checked="" type="checkbox"/> Homework assignments 10%	<input type="checkbox"/> Project	
<input checked="" type="checkbox"/> In-term examination(s) 20%	<input checked="" type="checkbox"/> Final examination 50%	
15. Grading Method		
<input checked="" type="checkbox"/> A-F Scale	<input type="checkbox"/> Pass/Not passed	
16. Textbook(s) and Supplemental Material		

Jeffrey K. Pinto, (2013) Project Management: Achieving Competitive Advantage, 3rd edition, Pearson Education Limited.
During the course, lecture notes and additional readings will be distributed.

17. Matching Course Objectives with Program Outcomes and SQU Graduate Attributes

SQU Graduate Attributes

A. SQU graduates should be able to: <ol style="list-style-type: none"> 1. apply the knowledge and skills relevant to the specialization 2. communicate effectively and use information and communication technologies 3. critically analyze complex information and present it in simple clear manner 	B. SQU graduates possess <ol style="list-style-type: none"> 1. interpersonal communication skills and alignment with culture of international labour market to assist them in practical life and in living successfully 2. skills and motivation for independent learning and engagement in lifelong learning and research 3. work ethics and positive values, and intellectual independence and autonomy 4. teamwork skills and display potential leadership qualities 	C. SQU graduates should <p>relish good citizenship qualities, be conscious of their national identity and be socially responsible, engage in community affairs and be mindful of contemporary issues.</p>
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#	Intended Student Learning Outcome /Course Learning Objective	Relevant Program Outcome(s)	Applicable Attribute(s)
1.	Explain the key concepts relevant to project management and planning	Demonstrate in-depth knowledge on theory and analytical methods in natural resource economics and business	Knowledge
2.	Identify the role of project managers and project champions	Demonstrate in-depth knowledge on theory and analytical methods in natural resource economics and business	Knowledge
3.	Use checklists, scoring, and profile models for selecting appropriate project	Demonstrate in-depth knowledge on theory and analytical methods in natural resource economics and business	Knowledge
4.	Evaluate project investment decisions based on financial models	The ability to identify, formulate, analyse and solve economics and business problems	Knowledge & Skills
5.	Determine the critical path for a project schedule network along with the consideration of project uncertainty	The ability to identify, formulate, analyse and solve economics and business problems	Knowledge & Skills
6.	Identify risks and suggest mitigation strategies	Demonstrate in-depth knowledge on theory and analytical methods in natural resource economics and business	Knowledge
7.	Identify and explain the various types of challenges and issues involve in project management and planning	The ability to identify, formulate, analyse and solve economics and business problems	Knowledge & Skills
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16. Student Responsibilities

It is the student's responsibility to know and comply with all University Academic Regulations relevant to participation in this course. These regulations specifically include attendance requirement and students' academic code of conduct.

For attendance, it is the student's responsibility to be punctual and to attend all classes.

Students are expected to perform their work with honesty and avoid any academic misconduct, which is defined as the use of any dishonest or deceitful means to gain some academic advantage or benefit. This can take many forms, including but not limited to, the following: copying, plagiarism, collusion and forging documents. For full details, please refer to the Undergraduate Academic Regulations and to the Student Academic Misconduct Policy.

Additionally, this course requires that you:

COURSE INFORMATION			
Course Code	NREC4105	Course Title	Management of Natural Resource Projects
Semester/ Year	Spring 2019	Section(s)	10
Day, Time, and Place	Sunday 14:15pm -15:35pm Tuesday 14:15pm -15:35pm Room A05		

Course Coordinator	Shekar Bose		
Office Location	CAMS	Office Hours	Tuesday 11:30 -12:30, Thursday 9:30- 10:30 or by appointment
Office Tel. Ext.	3680	Email	Sbose@squ.edu.om

Tentative Schedule			
Week	Lecture #	Topic/Material to be covered	Assessment
1	1,2	Introduction to project management	
2	3,4	Organizational context: strategy, structure and culture	
3	5,6	Organizational context: strategy, structure and culture	
4	7,8	Project selection and portfolio management	10%
5	9,10	Project selection and portfolio management	
6	11,12	Leadership and project manager	
7	13,14	Scope management	
8	15,16	Risk management	20%
9	17,18	Cost estimation, analysis and budgeting	
10	19,20	Project scheduling	
11	21,22	Project scheduling	
12	23,24	Resource management	10%
13	25,26	Project evaluation and control	
14	27,28	Project evaluation and control	
15	29,30	Revision	
16		Final Exam	50%
17			10% Project-based Activity

APPENDIX A: INSTRUCTORS OF MULTIPLE SECTIONS

[illegible]

APPENDIX B: ADDITIONAL INFORMATION

Assessment item*	Type	Weighting	Date
Assignment 1	Class Test	10%	February 24
Mid-term Exam	Exam	20%	March 24 (May Change)
Assignment 2	Class Test	15%	April 23
Project-based Activity	Homework	10%	April
Final Exam	Exam	50%	TBA