





Course Specification

— (Postgraduate Programs)

Course Title Project Proposal

Course Code: MSCS 690

Program: Master Programme in Computer Science

Department: Computer Science

College: Computer Science and Information Technology

Institution: King Faisal University

Version: Course Specification Version Number

Last Revision Date: *Pick Revision Date.*







Table of Contents

A. General information about the course:	3
B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:	4
C. Course Content:	4
D. Students Assessment Activities:	5
E. Learning Resources and Facilities:	6
F. Assessment of Course Quality:	6
G. Specification Approval Data:	7





A. General information about the course:

1. Course Identification:

1. Credit hours: 3 (3-0-6)

2. Course type			
Α.			

B. 🛛 Required

Department DT

□Track

3. Level/year at which this course is offered: : Level 2 , 3 or 4

4. Course General Description:

The Project Proposal emphasizes on application of the theoretical concepts of software analysis and design learned during the course work. The analysis component comprises of preparing formal Software Requirements Specifications (SRS) document including problem statement, scope, justification, requirements, cost estimation, assumptions, limitations, methodology and tools to be used in project development. The assumption should be taken in such a way that scope of the problem becomes clear and well defined in the problem statement. All the functional and nonfunctional requirements of the system must be identified and analyzed in the proposal. The students will be encouraged to develop/describe logical model of the proposed system based on the requirements. The design component of the course includes prototype including input and output of the proposed system.

5. Pre-requirements for this course (if any):

NA

6. Pre-requirements for this course (if any):

NA

7. Course Main Objective(s):

The purpose of this course is that student select a MS level topic, define a problem and propose a solution in the partial fulfillment of the Master of Science in Computer Science.

2. Teaching Mode: (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		
2	E-learning		





Mode of Instruction	Contact Hours	Percentage
Hybrid		
Traditional classroom	45	100%
• E-learning		
Distance learning		
	Hybrid • Traditional classroom • E-learning Distance learning	Mode of InstructionContact HoursHybrid-• Traditional classroom45• E-learning-Distance learning-

3. Contact Hours: (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	
2.	Laboratory/Studio	-
3.	Field	-
4.	Tutorial	-
5.	Others (specify)	45
	Total	45

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods:

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and under	standing		
1.1	Identify and define problem statement	К1	Discussion with supervisor	-Project Milestone Presentation -Project milestone report
1.2	<i>Define and justify scope</i> of the problem	К2	Discussion with supervisor	-Project Milestone Presentation -Project milestone report
2.0	Skills			
2.1	Gather and analyze system requirements	S1	Discussion with supervisor	Milestone Presentation Milestone Report





Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods	
2.2	Propose an optimized solution among the existing solutions signals and solve given problems regarding these methods	S2	Discussion with supervisor	Milestone Presentation Milestone Report	
2.3	Develop technical report writing and oral presentation skills	53	Evaluation by Committee member	Final presentation Final Report	
3.0	Values, autonomy, and responsibility				
3.1	Practice software analysis and design techniques learned during the course work	V1	Evaluation by Committee member	Final presentation Final Report	

C. Course Content:

No	List of Topics	Contact Hours
		·
	Total	45

D. Students Assessment Activities:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Milestone 1 Report and presentation	8 th	20%
2.	Milestone-2 report and presentation	15 th	40%



No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
3.	Supervisor Report	15 th	40%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities:

1. References and Learning Resources:

Required Textbook	Lynn E. Miner & Jeremy T. Miner, "Proposal Planning and Writing", Third Edition, Greenwood Publishing Group, 2003, ISBN: 1573564982
Essential References	Statistics for Engineers and Scientists by William Navidi, 2nd Edition, McGraw-Hill, 2007. ISBN: 0073309494
Supportive References	
Electronic Materials	Access to Digital Library of IEEE, ACM, Springer etc.
Other Learning Materials	Learning Manuals: MATLAB, Python

2. Educational and Research Facilities and Equipment Required:

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Sufficient seats (typically 20) as per student registration required in the lecture
Technology equipment (Projector, smart board, software)	Sufficient computer terminals with required setup having the necessary software installed and configured for the students to complete assignments and projects. Data show is needed to demonstrate in the class
Other equipment (Depending on the nature of the specialty)	Not Required

F. Assessment of Course Quality:

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect Assessment through Teaching Evaluation
Effectiveness of students' assessment	Faculty	IndirectassessmentthroughCourseEvaluation Survey
Quality of learning resources	Students	IndirectAssessmentthroughLearningResources Survey





Assessment Areas/Issue	s Assessor	Assessment Methods		
The extent to which CLOs h been achieved	ave Faculty	Direct assessment through Rubrics analyses		
Other				
Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify) Assessment Methods (Direct, Indirect) G. Specification Approval Data:				
COUNCIL /COMMITTEE				
REFERENCE NO.				
DATE				

