



# Course Specification

## (Postgraduate Programs)

<b>Course Title</b>	Dissertation
<b>Course Code:</b>	MSCS 700
<b>Program:</b>	Master Programme in Computer Science
<b>Department:</b>	Computer Science
<b>College:</b>	Computer Science and Information Technology
<b>Institution:</b>	King Faisal University
<b>Version:</b>	Course Specification Version Number
<b>Last Revision Date:</b>	Pick Revision Date.

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## A. General information about the course:

### 1. Course Identification:

1. Credit hours: 9 (9-0-9)

### 2. Course type

A. ☐ University ☒ College ☐ Department ☐ Track  
B. ☒ Required ☐ Elective

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

### 4. Course General Description:

Student will choose a research topic under supervision of a faculty member. After approval of the dissertation subject, the student needs to define objectives of the research and prepare the research proposal. In the proposal, he/she will be required to (i) conduct an exhaustive survey (ii) identify and define the problem clearly (iii) decide scope of the problem and provide its assumptions and limitations (iv) ensure the originality of the research proposal (v) suggest the approach and methodology used in the research and (vi) present the expected results. At the successful presentation of the proposal, student will be asked to submit the proposal. The student will apply the proposed methodology to solve the problem. After completion, student will submit the dissertation. Then student will defend the dissertation.

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

MSAI-663: Research Methodology

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

MSAI-663: Research Methodology

### 7. Course Main Objective(s):

The main purpose of dissertation is that student demonstrates his/her knowledge as well as the ability to work independently and use relevant sources to identify and propose solution to a research problem

### 2. Teaching Mode: (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> </ul>		



No	Mode of Instruction	Contact Hours	Percentage
	• E-learning		
4	Distance learning		
5	Others	135	100%

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

No	Activity	Contact Hours
1.	Lectures	
2.	Laboratory/Studio	-
3.	Field	-
4.	Tutorial	-
5.	Others (specify).....	135
	Total	135

## 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 understanding			
2.0	Skills			
2.1	Practice research techniques, tools and methodologies	S2,S3	Interaction with supervisor	Dissertation & Presentation
2.2	Develop writing and oral presentation skills	S3	Interaction with supervisor	Dissertation, Research proposal & Presentation
3.0	Values, autonomy, and responsibility			
3.1	Conduct survey of research issues	V1	Interaction with supervisor,	Dissertation, Research proposal & Presentation
3.2	Work independently and take initiatives in academic or professional environment	V1	Interaction with supervisor,	Dissertation, Research proposal & Presentation



### 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.	Dissertation Evaluation	Dissertation Completion	40^
2.	Dissertation Evaluation	Dissertation Completion	60%

\*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	There is no single textbook for this course. The students are encouraged to select and read various related texts under the recommendation of their supervisor
Essential References	<p>1 Jeremy T. Miner, Lynn E. Miner, "Proposal Planning &amp; Writing", 4th Edition, Greenwood, 2008. ISBN-13: 978-0-313-35674-2.</p> <p>2. Wayne Booth, Gregory Colomb and Joseph Williams, "The Craft of Research", 3rd Edition, University of Chicago Press, 2008. ISBN-13: 978-0226065663.</p> <p>3. William Navidi, "Statistics for Engineers and Scientists", 2nd Edition, McGraw-Hill, 2010. ISBN: 978-0073376332</p>
Supportive References	
Electronic Materials	Web sites





#### Other Learning Materials

The students are encouraged to select and read various related resources under the recommendation of their supervisor.

## 2. Educational and Research Facilities and Equipment Required:

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Sufficient seats (typically 20) as per student registration required in the lecture
<b>Technology equipment</b> (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
<b>Other equipment</b> (Depending on the nature of the specialty)	Not Required

## F. Assessment of Course Quality:

Assessment Areas/Issues	Assessor	Assessment Methods
<b>Effectiveness of teaching</b>	Students	Indirect Assessment through Teaching Evaluation
<b>Effectiveness of students' assessment</b>	Faculty	Indirect assessment through Course Evaluation Survey
<b>Quality of learning resources</b>	Students	Indirect Assessment through Learning Resources Survey
<b>The extent to which CLOs have been achieved</b>	Faculty	Direct assessment through Rubrics analyses
<b>Other</b>		

**Assessor** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval Data:

<b>COUNCIL /COMMITTEE</b>	
<b>REFERENCE NO.</b>	
<b>DATE</b>	

