هيئة تقويم التعليم
Education Evaluation Commission
المركز الوطني للتقويم والاعتماد الأكاديمي
National Center for Academic Accreditation and Evaluation

ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

Projects management , contracts ,quantities, and specifications (513ARC-3)

By : Dr.Muna Gibreel Mohamed AHMED

هيئة تقويم التعليم
Education Evaluation Commission

Course Specifications

Institution: **Jazan University**	Date: **6/9/1438**
College/Department: **faculty of design and architecture** , **Architecture Dept.**	

A. Course Identification and General Information

1. Course title and code: **Projects management , contracts, quantities, and specifications (513ARC-3)**

2. Credit hours:**3**

3. Program(s) in which the course is offered. **Architecture program**
(If general elective available in many programs indicate this rather than list programs)

4. Name of faculty member responsible for the course **Dr. Muna Gibreel Mohamed Ahmed**

5. Level/year at which this course is offered: **5th year 10th semester**

6. Pre-requisites for this course (if any): **(413ARC-3) Urban Design**

7. Co-requisites for this course (if any): **None**

8. Location if not on main campus: **Academic campus 1**

9. Mode of Instruction (mark all that apply):

a. traditional classroom	*	What percentage?	100
b. blended (traditional and online)		What percentage?	
c. e-learning		What percentage?	
d. correspondence		What percentage?	
f. other		What percentage?	

Comments:

B Objectives

1. What is the main purpose for this course?

This course introduces students to the principles, methods and tools necessary to manage the design and construction processes. Among the topics examined in detail are: elements of planning, estimating, scheduling, bidding and contractual relationships; valuation of project cash flows; critical path method. The course includes a survey of construction procedures, cost control and effectiveness, and practical techniques for completing capital projects on time and within budget.

2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field)

To concentrates on the importance of proper means and methods for insuring cost-effective design, construction and maintenance.

Developing the student's skills in using computer in projects management .

C. Course Description (Note: General description in the form used in Bulletin or handbook)

Course Description:

This course introduces students to the principles, methods and tools necessary to manage the design and construction processes.

1. Topics to be Covered

List of Topics	No. of Weeks	Contact hours
Introduction of key concepts of managing construction projects .	2	8
The basics of estimating construction project costs .	1	4
Bidding and contractual relationships , Contracts and specification	2	8
Definition of BIM (Building Information Modeling) and other technologies that are revolutionizing the way 21st century construction projects are delivered	1	4
Managing time, people, equipment and costs to build a project on time and to bid	2	8
Bar chart and critical path method scheduling	2	8
Develop basic negotiation skills for problem solving and issue resolution	1	4
Laws and regulations	2	8
Use of computer in project management	2	8
total	15	60

2. Course components (total contact hours and credits per semester):

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	30			30		60
	Actual	30			30		
Credit	Planed	2 per week			1 per week		3 per week
	Actual	2			1		3

3. Additional private study/learning hours expected for students per week. 2

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

On the table below are the five NQF Learning Domains, numbered in the left column.

First, insert the suitable and measurable course learning outcomes required in the appropriate learning domains (see suggestions below the table). **Second**, insert supporting teaching strategies that fit and align with the assessment methods and intended learning outcomes. **Third**, insert appropriate assessment methods that accurately measure and evaluate the learning outcome. Each course learning outcomes, assessment method, and teaching strategy ought to reasonably fit and flow together as an integrated learning and teaching process. (Courses are not required to include learning outcomes from each domain.)

Code #	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	**Knowledge**		
1.1	**Demonstrate a systematic knowledge of the key concepts of managing construction projects**	**lectures, seminars, workshops**	**Tests, Quiz , work sheet**
1.2	**Identify the cost / time control mechanisms which operate during the development of a project**		
2.0	**Cognitive Skills**		
2.1	**Demonstrate ability to prepare bills of quantities and time schedules and bar charts .**	**lectures, seminars, workshops**	**Tests, Quiz , work sheet**
2.2	**Demonstrate the ability to prepare cost estimates and tender documents .**		
3.0	**Interpersonal Skills & Responsibility**		
3.1	**working in groups consists of several students at the first stage : Students are required to cooperate in the whole system to develop their skills and to carry out their responsibilities**	**seminars, workshops**	**work sheet**

4.0	**Communication, Information Technology, Numerical**		
4.1	**Use proper terminology of project management**	**seminars, workshops**	**Tests, Quiz , work sheet**
4.2	**Using software programs of project management**		
	Using the IT technology to find out and research information from the net.		
5.0	**Psychomotor**		
5.1	**Not applicable**		

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (i.e., essay, test, quizzes, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	**Essay no 1 (project management concepts)**	**1**	**2.5%**
2	**Exercise 2 in estimating construction project costs**	**3**	**2.5%**
3	**Quiz 1,2 in estimating construction project costs**	**5**	**5%**
4	**Exercise 4 Bar chart method scheduling**	**8**	**15%**
5	**Exercise 5 Critical path method scheduling**	**12**	**15%**
6	**Exercise 6 software for project management application**	**14**	**10%**
7	**Test 1**	**16**	**10%**
8	**Total for semester work**		**60%**
9	**Final exam**	**18**	**40%**

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week) **40 hours per week, 5 days per week** **With 10 hours for academic guidance and other office work**

E Learning Resources

1. List Required Textbooks **1- Hillebrandt , P.M ,"Economic theory and the Construction Industry", Macmillan, 1985** **2-Pilcher R. ,"Project Cost Control In Construction", Colins , London, 1985.** **3 -ادارة مشروعات التشييد , ايمن عبدالسلام , دار الكتب العلمية**
2. List Essential References Materials (Journals, Reports, etc.) **Economic journals**
3. List Electronic Materials, Web Sites, Facebook, Twitter, etc. **PMP Web Sites**
4. Other learning material such as computer-based programs/CD, professional standards or regulations and software. **PMP**

F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access, etc.)
1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) **Classrooms**
2. Technology resources (AV, data show, Smart Board, software, etc.) **data show**
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) **None**

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching **Questionnaire**
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department **Internal review by department council**
3. Processes for Improvement of Teaching **- Follow departmental instructions to improve teaching.** **- Training and workshops programs to improve their skills** **- Feedback from students**
4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution) **check marking by an independent member teaching staff of a sample of student work**
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. **- Internal review by department council** **- academic development and quality dept. review for course files**

Name of Course Instructor: Dr. Muna Gibreel M. AHMED

Signature: _____ Date Specification Completed: _____

Program Coordinator: _____

Signature: _____ Date Received: _____