ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

هيئة تقويم التعليم
Education Evaluation Commission

Course Specifications

Institution: Jazan university	Date:
College/ Department : Faculty of Architecture and design – department of architecture.	

A. Course Identification and General Information

1. Course title and code:
   Computer Applications in Architecture (1) (314 ARC – 3)
2. Credit hours: 1H lecture + 4H tutorial.= (3 H).
3. Program(s) in which the course is offered.
   (If general elective available in many programs indicate this rather than list programs)
   BSc
4. Name of faculty member responsible for the course
   Soha Mohamed Mahmoud Ramadan.
5. Level/year at which this course is offered: 5th level, 3rd year.
6. Pre-requisites for this course (if any):
   Introduction to Computer (arc101 - 3)
7. Co-requisites for this course (if any):
   None.
8. Location if not on main campus:
   None.
9. Mode of Instruction (mark all that apply):

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

Comments:

B Objectives

1. What is the main purpose for this course?
   1- Use the techniques and skills required for professional practice and project management.
   2 - The ability of the student to work on an architectural project using computer programs

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)
   - Viewing similar courses in various universities.
   - Use the Internet continually to keep up with any new regard to the subject.
   - Use modern references to update feeder information to the subject

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

Course Description:

1. Topics to be Covered

List of Topics	No. of Weeks	Contact hours
1. Understand the AutoCAD App and its uses in architectural project..	1st	5
2. Understanding different tools and begins with Draw list.	2nd	5
3. Practice on Draw orders.	3rd	5
4. Practice on Modify orders.	Fourth	5
5. Follow-up exercises and remains orders of Draw and Modify lists.	Fifth	5
6. Practice on Layer orders.	Sixth	5
7. Using orders to draw doors and windows.	Seventh	5
8. Midterm exam. 1. Follow-up work	Eighth	5
9. Mid-semester holiday	Ninth	
10. Use all orders to draw furniture elements and practice on Dimensions and Block orders. - Follow-up work.	Tenth	5
11. Practice on (Text, Area, Properties, Object snap and Print) orders.	Eleventh	5

12. Draw elevation.	Twelveth	5
13. Follow-up work.	Thirteenth	5
14. Apply all orders on a project plan	Fourteenth	5
15. Follow-up project.	Fifteenth	5
16. Handover the exercises and project.	Sixteenth	5
Total	15	75

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

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	15			60		75
	Actual	15			60		75
Credit	Planed	15			30		45
	Actual	15			30		45

3. Additional private study/learning hours expected for students per week. None

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	- The student recognize the different two-dimensional computer programs that she uses in completing her specialized courses.	• theoretical lectures.	- Practical exercises, periodic tests, mid Term and project (60 degrees)
1.2	- The student learns how to access all program commands (Auto Cad 2D).	• practical exercises	- Final test (40 degrees).
1.3	- The student recognize the possibility of producing a two-dimensional architectural	• discussion and dialogue	

	panels.		
1.4	- The student plans to link drawing with hand and drawing with computer programs.	• presentations	
1.5	- The student learns how to print an architectural panel.		
2.0	**Cognitive Skills**		
2.1	- The ability of the student to think in a technical and contemporary way in how to accomplish its work using the computer.	• theoretical lectures.	- Practical exercises, periodic tests, mid Term and quiz (60 degrees)
2.2	- The ability of the student to combine the skill of the hand and the speed of the computer.	• practical exercises	- Final test (40 degrees).
2.3	- Ability to access various commands within the program and gain experience in dealing with other programs.	• discussion and dialogue	
3.0	**Interpersonal Skills & Responsibility**		
3.1	- Participation of students during the discussion process using group discussion methods.	• practical exercises	- discussion of the mistakes of the students in various exercises, and try to make the students propose solutions to these errors, according to what has been understood before.
3.2	- Ability to work under pressure and within constraints.	•discussion and dialogue	
3.3	- Respect all alternative solutions, differences in style, culture and experience and treat others with respect.	•Teem work	
4.0	**Communication, Information Technology, Numerical**		
4.1	• Search on the Internet to learn about the different parts of the subject.	• practical application in class room.	•practical exercises.
4.2	•Convert from meters to centimeters.	• Household exercises.	
4.3	• The ability to convert from scale to another.		
5.0	**Psychomotor**		
5.1	None	None	None

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	Weekly assessment of exercises.	Every week	35 degrees.
2	Midterm exam.	eighth weak	15 degrees.
3	Project.	thirteen week	10 degrees.
4	Commitment of attendance.	Every week	Calculate as a part of

			weekly assessment.
5	Final exam.	Seventeenth week	40 degrees.

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)

That during office hours be allocated to each member of staff by 10 office hours per week, to ensure the availability of faculty to provide academic advice and guidance to students that need it.

E Learning Resources

1. List Required Textbooks

- 1 -Fundamentals of AutoCAD 2010, University of Nahrain, assistant Lecturer / Ali Mahdi Muften.
- 2- Autocad Autodesk,. Ahmed Hasan Khamis.

2. List Essential References Materials (Journals, Reports, etc.)

1- Saudi Construction Magazine.
2- Construction World Magazine.
3- Various architectural engineering journals

3. List Electronic Materials, Web Sites, Facebook, Twitter, etc.

- www.architectmagazine.com
- www.wikipedia.com

http://www.designbasics.com

4. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

None

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.)

teaching staff connected to the projector.

2. Technology resources (AV, data show, Smart Board, software, etc.)

A projector device is available to be used in explaining the lectures and exercises

3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

- Supply devices' hardware with program AutoCAD original copy.
- Repair devices that do not work.

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching • Distribution of a questionnaire on the assessment of students and then analysis to reach a good teaching process.
2. Other Strategies for Evaluation of Teaching by the Instructor or by the Department - Compare to the subject specification of what is taught during the semester and what is taught in similar universities. - Compared the students' works in similar universities.
3. Processes for Improvement of Teaching Review and follow-up evaluation of the faculty member of the pros and cons in the method of teaching, according to the outputs of the students and the extent of progress in the course.
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) None
5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. - Establish a library for faculty of Architecture and Design. - Providing all the necessary references to students. - Providing the means for a modern display to facilitate the process of explaining the subject.

Name of Course Instructor: **Soha Mohamed Mahmoud Ramadan**

Signature: _____ Date Specification Completed: _____

Program Coordinator: _____

Signature: _____ Date Received: _____