ATTACHMENT 5.

T6. COURSE SPECIFICATIONS (CS)

Course Specifications

Institution: : **Jazan University**	Date: 11/2/1439
College/Department : **Faculty of Design and Architecture , Architecture Dept.**	

A. Course Identification and General Information

1. Course title and code: **Architectural Design Studio 3 (412ARC -4)**
2. Credit hours: 3
3. Program(s) in which the course is offered.
(If general elective available in many programs indicate this rather than list programs)
Bachelor in Architecture
4. Name of faculty member responsible for the course
Arch.
5. Level/year at which this course is offered: **Semester 7 , year 4**
6. Pre-requisites for this course (if any): **(ARC323-3) Building construction 1**
7. Co-requisites for this course (if any): **None**
8. Location if not on main campus:
Not applicable
9. Mode of Instruction (mark all that apply):

a. Traditional classroom	√	What percentage?	%90
b. Blended (traditional and online)		What percentage?	
c. E-learning		What percentage?	
d. Correspondence		What percentage?	
f. Other	√	What percentage?	10%

Comments: **Students are requested to submit technical drawings by using architectural Software programme (AutoCAD drawings, Arch-cad, Revit) for the project ,also they submit report and tutorials**

B Objectives

1. What is the main purpose for this course?

The main purpose for this course for the student to be able the following,:

- **Develop and understand architectural details and finishing**
- **Identify a variety of systems, methods, and materials used for building construction technology.**
- **Develop the student's ability to understand how the buildings are implementing actually in the term of finishing and construction**
- **The student shall attain the above mentioned objectives efficiently under controlled guidance and supervision while gaining the experience through detailed drawings**

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)

- **Developing the student's skills in using computer building construction 2**

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

Course Description:
Building construction

1. Topics to be Covered

List of Topics	No. of Weeks	Contact hours
Introduction to construction projects stages.	1	5
Floors Finishing ; types and materials and techniques	3	15
Walls Finishing ; types and materials and techniques - **Veneers in the building** - **Partitions & Curtain Wall** - **Panting works** -	2	10
Roof Finishing; types and materials and techniques - **Suspended celling** - **Roof types**	2	10
Doors ; types and details	1	5
Windows ; types and materials and techniques	1	5

Building insolation work - **Heat insolation work** - **Sound insolation work** - **Wet insolation work**	1	5
Services networks ; water , sanitation , electricity details	3	15
Applied project - technical drawings - **detailed** drawings	2	5
- Project evaluation **-Final Exam**	16	80

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

		Lecture	Tutorial	Laboratory/ Studio	Practical	Other:	Total
Contact Hours	Planed	Lecture	Tutorial	Laboratory	Practical	Other:	Total
	Actual	16			64		80
Credit	Planed	Lecture	Tutorial	Laboratory	Practical	Other:	Total
	Actual	16			32		48

3. Additional private study/learning hours expected for students per week. 4

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

- A brief summary of the knowledge or skill the course is intended to develop;
- A description of the teaching strategies to be used in the course to develop that knowledge or skill; the methods of student assessment to be used in the course to evaluate learning outcomes in the domain concerned

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	- **Describe construction project stages**	**lectures, seminars, workshops, tutorials directed to project based learning**	**Continuous assessment of work and summative assessment at the final submission**
1.2	- **Identify a variety of systems , methods , and materials used for finishing**		
	- **Develop understanding of architectural details and finishing**		
	- **demonstrate knowledge of technical terminologies**		
2.0	**Cognitive Skills**		
2.1	- **Demonstrate ability to prepare technical drawings.**	**Lectures, seminars, workshops. tutorials directed to project based learning**	**Continuous assessment of work and summative assessment at the final submission**
2.2	- **Demonstrate the ability to prepare architectural details**		
	- **Specifications buildings materials.**		
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 groups and workshops. Tutorials directed to project based learning**	**Continuous assessment of work and summative assessment at the final submission**
3.2	- **Effectively manage task , time , and resources .**		
4.0	**Communication, Information Technology, Numerical**		
4.1	- **Use proper technical terminology of building construction**	**lectures, seminars, workshops, tutorials directed project based learning**	**Continuous assessment of work and summative assessment at the final submission**
4.2	- **Using software programs for production of technical drawings**		
	- **Using the IT technology to find out and research information from the net.**		
5.0	**Psychomotor**		
5.1	- **Development of the hand and eye coordination necessary to implement these techniques.**	**Multiple presentations are required part of the process from students**	

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	**Introduction to construction projects stages.**	1	5%
2	**Floors Finishing ; types and materials and techniques**	2	5%
3	**Walls Finishing ; types and materials and techniques** - **Veneers in the building** - **Partitions & Curtain Wall** - **Panting works** -	4	10%
4	**Roof Finishing; types and materials and techniques** - **Suspended celling** - **Roof types**	6	10%
5	**Doors ; types and details**	8	5%
6	**Windows ; types and materials and techniques**	10	5%
7	**Building insolation work** - **Heat insolation work** - **Sound insolation work** - **Wet insolation work**	12	20%
8	**Services networks ; water , sanitation , electricity details**	12,13	60%
9	**Applied project** - technical drawings **- detailed** drawings	14	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)

5 hours per week , 2 days per week

E Learning Resources

1. List Required Textbooks

1- Building Construction Vol.1,2,3,4, R.BARRY, Collins 1986.

2- 1989 الرسومات التنفيذية والتفاصيل المعمارية , محمد عبدالله , مكتبة الهندسة

3- 2004 محمد أحمد عبد الله، الرسومات التنفيذية والتفاصيل المعمارية، مكتبة الأنجلو المصرية

4-1997م فاروق عباس حيدر، الموسوعة الحديثة في تكنولوجيا تشييد المباني – 3 أجزاء، الطبعة الخامسة

.5-2002 محمد أحمد عبد الله، إنشاء مباني و تكنولوجيا البناء، مكتبة النجلو المصرية

2. List Essential References Materials (Journals, Reports, etc.) **All the available magazines, Journals and Publications in the field of buildings construction and the other branches serving this field.** **Software needed:-**
3. List Electronic Materials, Web Sites, Facebook, Twitter, etc. - http;/www.caps-egypt.com/AR/articles -ar.htm - http;/www/albnaaagazine.com.sa - www.architectmagazine.com - www.wikipedia.com
4. Other learning material such as computer-based programs/CD, professional standards or regulations and software. **Software needed:-** o **Autodesk Auto CAD.** o **Autodesk Revit.** o **Arch-cad** **Books and references' needs** **All types of buildings and construction materials and books**

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.) - **30 -35 drawing desk and seats for students in the practical group**
2. Technology resources (AV, data show, Smart Board, software, etc.) **- multi-media projector**
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) **Transparencies** **Graphical tools**

G Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching - **Group discussion with students evaluating the effectiveness of the teacher and materials taught.** - **Evaluation questionnaire spread out between students.**
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 of teaching staff for a sample project of student work** - **Periodic exchange and remarking of students projects with staff at another institution** - **Compare the standards of achievement in the course with standards achieved elsewhere.**
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: **Arch.**

Signature: _____ Date Specification Completed: 11/2/1439

Program Coordinator **Arch. Eatezaz Abdelrahman Mustafa Mohammedani**
Signature: _____ Date Received:11/2/1439