



Course Specifications

Course Title:	<i>Ceramics Production Technique</i>
Course Code:	412AAD-3
Program:	Bachelore in Applied Arts
Department:	Applied Arts
College:	Faculty of Architecture and Design
Institution:	JAZAN UNIVERSITY

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A. Course Identification

1. Credit hours: 4 H
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: Level 7 3 rd year
4. Pre-requisites for this course (if any): -
5. Co-requisites for this course (if any): Computer lab

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom - practical	8	100 %
2	Blended	-	0 %
3	E-learning	-	0 %
4	Correspondence	-	0 %
5	Other	-	0 %

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	2*15=30
2	Laboratory/Studio	3*15=75
3	Tutorial	0
4	Others (specify)	2
	Total	107
Other Learning Hours*		
1	Study	1*15=15
2	Assignments	2
3	Library	1.5
4	Projects/Research Essays/Theses	1*15=15
5	Others (specify)	0
	Total	33.5

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description

- 1- To advance the understanding of **ceramics technology**, with particular attention to the practitioners, the principles and practice of different kinds of ceramics production methods and their technological bases
- 2- To provide opportunities for students to develop skills, values and attributes, and to acquire knowledge and understanding, relevant to the needs of ceramics product design and different technology according to kinds of ceramics product (tableware , tiles , senatry ware).
- 3- To develop and foster imaginative and creative abilities, both individually and in teams;
- 4- To enable students to develop effective communication skills, including those required for technical presentation

2. Course Main Objective

Training students to use internet webs to develop the knowledge and to improve the experience , through access to different production Methods,

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Determination of the basic components of the ceramic body and the classification of ceramic products and bodies .	K2
1.2	Identify the stages of preparing and preparing the production methods, equipment and machines are used.	K2
2	Skills :	
2.1	Classification of modulation methods and the requirements and determinants of different equipment	S1
2.2	Draw a diagram of the production stages according to the product and raw materials used and design..	S2
2.3	Develop their creative capabilities, both individually and collectively	S3
3	Competence:	
3.1	Have experience in using materials, processes and environments in order to translate ideas into practice	C1
3.2	Solving problems and developing alternatives in the production plan	C1

C. Course Content

No	List of Topics	Contact Hours
The theoretical plan		
1	An introduction to ceramics and the types of products	1
	The nature of the ceramic body, types and characteristics	2 :3
2	Definition and classification of glazes and their importance	4
3	Preparation of raw materials - crushing & grinding	5
4	Preparation of raw materials soft grinding and mixing	5
5	Methods formation according to the type of product and the amount of production	6
6	the production Stages of ceramic tiles- forming by pressing likeness dry	7 :8
7	the production Stages of the tableware- formation by plastic pressing and slip coating	9

8	the production Stages of sanitary ware - formation by slip casting	10 : 11
9	Decoration Methods (before the fire on the green body - and over glaze (12
10	Firing methods and technics	13
11	Five tests during the semester	
12	A field visit -	14
Practical plan		
1	Hand building by using coils and slides	1: 6
2	Surface decoration in state of the plastic body	7
3	Forming regular geometric tiles	8 :9
4	Implementation of Plaster pressure mold for regularly tile	10 : 12
5	decorative by painting on porcelain using multiple colors	13
6	Fire her works	13 : 14
Total		

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Determination of the basic components of the ceramic body and the classification of ceramic products and bodies .	lecture PowerPoint presentation Discuss about ceramics product	Objective test
1.2	Identify the stages of preparing and preparing the production methods, equipment and machines are used.		
2.0	Skills :		
2.1	Classification of modulation methods and the requirements and determinants of different equipment	Brain storming DRAW FLOWSHART Practical Self – education	Objective test project Assessment
2.2	Draw a diagram of the production stages according to the product and raw materials used and design..		
2.3	Develop their creative capabilities, both individually and collectively		
3.0	Competence:		
3.1	Have experience in using materials, processes and environments in order to translate ideas into practice	Cooperative Learning Practical work Design projects posters	Design Assessment
3.2	Determination of the basic components of the ceramic body and the classification of ceramic products and bodies .		

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Five tests during the semester	4 , 6 , 8 , 10 , 12	20 %
2	First project	4	40 %
3	Second project	6	
4	third project	10	
5	fourth project	12	
7	Final exam	End of the semester	40%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

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)

According to Academic Advising program in department

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<p>Grillo , pall Jcques ; “form function and design “.</p> <p>Peter King : Architectural Ceramics for the Studio Potter: Designing, Building, Installing</p> <p>Alexander , Christopher : the nature of order an essay on the art of building and the nature of the universe</p>
Essential References Materials	International design journals , Researchgate .com
Electronic Materials	Design seeds .behance , slide share , pinterest. International design journals , Researchgate .com. Slideshare.com
Other Learning Materials	fab lab with CNC machine AND 3D PRINTER to applied design models

2. Facilities Required

Item	Resources
<p>Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</p>	Ceramics lab , fab lab
<p>Technology Resources (AV, data show, Smart Board, software, etc.)</p>	software (sketch up , RHINO CEROS, V-RAY)data show in classroom and lab
<p>Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)</p>	fab lab with CNC machine AND 3D PRINTER to applied design models

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment .	Student	Online system course evaluation. Indirect Objective test . direct
Quality of learning resources	Student	Online system course evaluation. Indirect Objective test . direct
Course learning outcomes	Student	Course learning outcomes survey . Indirect

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Sanaa Abd Elgawad Eissa
Reference No.	
Date	