هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024

TP-153

Course Specification

(Bachelor)

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
2. Course type					
A.	☐ University	☒ College	☐ Department	☐ Track	☐ Others
B.	☒ Required		☐ Elective		
3. Level/year at which this course is offered: (Level 3/2nd.Year)					
4. Course General Description:					
This course aims to acquaint the student know-how of technology in their public image and link science and technology with those basic, also aims to give the student technology rules related areas of Specialization, as is the review of research and study of specialized raw materials used in interior design field, also chemical, physical and technological properties for each					
5. Pre-requirements for this course (if any)**:**					
.....					
6. Co-requisites for this course (if any)**:**					
.....					
7. Course Main Objective(s):					
After completion of the course study, is expected that student will be enable to understand nature of technological science which related with basic science, Technology ores and how it relates to the quality of design and implementation, the physical and chemical properties of raw materials and technological in interior design field in addition methods of measuring and materials testing					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	5	100%
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	30
2.	**Laboratory/Studio**	45
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		75

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.2	Demonstrate different viewpoints and approaches that support the understanding various engineering materials used in interior design according to the environmental and technological climate and social, economic and cultural factors.	K2	-Lectures -Individual and collective practical exercises	-Direct method (Objective test) by Test Specification table -Indirect method Course LO survey
2.0	**Skills**			
2.2	Practice of different research and investigation methods and their applications related to traditional and modern engineering materials and technologies	S2	-Lectures -Brainstorming -Self education -Exercises	-Direct method (Objective test) by Test Specification table -Indirect method Course LO survey
3.0	**Values, autonomy, and responsibility**			

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
3.1	Apply to make structured decisions in contexts that require the implementation of interior design projects based on materials used through the sustainability of learning and innovation.	V1	-Presentations -Open debate -Cooperative education -Peer education	-Direct method (Objective test) by Test Specification table -Indirect method Course LO survey
3.2	Organize to manage complex technical or Professional activities related to the use of interior design materials, and to link them with the relevant professional disciplines related to the management of these works.	**V2**		

C. Course Content

No	List of Topics	Contact Hours
1.	-Core division of engineering materials	**5**
2.	-Mechanical properties of engineering materials	**5**
3	-Destructive static testing (tension- compression- shearing)	**5**
4	-Iron and steel- Metals and Different Types of Alloys	**5**
5	-Ceramics (Composition- Manufacturing- Using in Interior Design	**5**
6	-Glasses (Composition- Manufacturing- Using in Interior Design)	**5**
7	-Traditional Painting	**5**
8	-Modern painting	**5**
9	-Insulating materials to moisture	**5**
10	- Heat soundproof materials	**5**
11	-Wood (Sources – Types- Defects)	5
12	- Applications of woods in interior design projects	5
13	-Covering ceilings with gypsum works	5
14	- Material Design according to the functional aspects of operational &uses	5
15	- Material Design according to the functional aspects of operational &uses	5

Total	75

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Evaluation 1&2 (Researches- short exams- short projects- homework- classwork- class activity)	2-4	20%
2.	Mid-term exam	8-9	20%
3.	Evaluation 3&4 (Researches- short exams- short projects- homework- classwork- class activity)	10-12	20%
4.	Total 1		60%
5.	Final exam		40%
6.	Total 2		100%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	1- J. W. Martin, 'Materials for engineering", Second edition, Maney Publishing for The Institute of Materials, USA, (2002). Third edition, Woodhead Publishing Limited and, CRC Press LLC,(2006). 2- D.Jones & M.Ashby , Engineering Materials1, "An Introduction to Properties Applications and Design",4th Edition, Butterworth-Heinemann(2011) 3- Properties of engineering materials - Dr. Abdullah Mohammed Maghari - Dar Al Safaf or publication and distribution –Amman - First Edition - 2008 – 4- Dr.Nadia Esmail Bondok, Materials Testing and Calibration "Jazan University, Saudi Arabia, (3nd Ed.,2017).
Supportive References	1- Technological Innovation of Advanced Materials: Management of Global Innovation for the21st Century, Sanford L. Moskowitz, Wiley, 2018

	2- Raw materials and design techniques, Aldakhali- professor / Adli Mohamed Abdel Hadi Engineer / Mohamed Abdullah Aldraash Second Edition (2017).
Electronic Materials	**- www.Science direct.com**
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	-Class room containing 40 desk and 40 chairs
Technology equipment (projector, smart board, software)	-Smart board
Other equipment (depending on the nature of the specialty)	-Regular office equipment

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods	
		indirect method	direct method
Effectiveness of teaching	Students	On line system course survey	
	Peer Reviewer or Head of Department		Peer assessment Program Leaders
Effectiveness of student's assessment	Program Assessment Committee or Head of Department	Theoretical and practical tests According to Test specification table	
Quality of learning resources	Students	-On line system course survey	
The extent to which CLOs have been achieved	Students	Course LO survey	(Theoretical and practical tests) By Test specification table.
Other			

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**DEPARTMENT COUNCIL NO.3(2024-2025)**
REFERENCE NO.	**DR/ ZIENAB ABD EL WHAB AHMED**
DATE	**20251**