Course Specification
(Bachelor)

Course Title:	**Light in Interior Design**
Course Code:	**405 IDS-3**
Program:	**Interior Design**
Department:	**Art**
College:	**: Art & Humanities**
Institution:	**Jazan University**
Version:	**2024**
Last Revision Date:	**18 September 2024**

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A. General information about the course:

1. Course Identification

1. Credit hours: (2Lecture + 1Practical + …)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (Level 7 / 4rd Year)					
4. Course General Description:					
This course aims to: 1- Understand the concept of light applications and its relation to basic science. 2- Scholastic foundations of measurement, calibration and testing of the various characteristics of the light. 3- Know-how pivotal and secondary ores in the field of light therapy for the internal spaces through the following items: . labeled scientific. . labeled trading. . Natural and industrial methods of the light systems. 4. Scientific classification (natural - Half Industrial - Industrial) . Knowledge of the foundations of selection of appropriate methods for the purpose. . Knowledge of the basis of calculation and calibration of optical values in internal spaces					
5. Pre-requirements for this course (if any)**:**					
310IDS-3					
6. Co-requisites for this course (if any)**:**					
None					
7. Course Main Objective(s):					
After this course is expected that student enables Understand the concept of light applications in the internal space and its relation with Adjust the standard performance rates of the five core internal architectural design elements (Functional values - aesthetic values - environmental friendliness criteria - health protection standards - economic standards)					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	4	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**	30
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		60

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**			
1.1	Express the international measurements in the visual processing of interior architectural spaces, and identify the foundations of tests of the efficiency of optical systems with internal architectural spaces	K1	Lectures Individual and collective practical exercises	Direct method (Objective test) by Test Specification table Indirect method Course LO survey
2.0	**Skills**			
2.1	Analyze and compare examples in the use of optical control systems	S1	Lectures	Direct method (Objective test) by Test

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
	in the design of internal architectural space through maps and measurements		Individual and collective practical exercises	Specification table Indirect method Course LO survey
2.2	Demonstrate the ethical issues involved in the practice of professional governance in practice of Environmental control systems and understanding of light professional codes of conduct according to national and international standards.	S2	Lectures Individual and collective practical exercises	Direct method (Objective test) by Test Specification table Indirect method Course LO survey
2.3	Apply appropriate strategies, optical control systems and better design the architectural space according to the rules of environmental friendliness, standards of health protection and to obtain optimal conditions for user comfort.	S3	Lectures Individual and collective practical exercises	Direct method (Objective test) by Test Specification table Indirect method Course LO survey
3.0	**Values, autonomy, and responsibility**			
3.1	Investigate contemporary trends in the design of optical maps of interior architectural spaces, in line with the development of standard systems of environmental control, Provide solutions to specific problems in an	V1	Lectures Individual and collective practical exercises	Direct method (Objective test) by Test Specification table Indirect method Course LO survey

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
	internal architectural project through optical controls and evaluate results.			

C. Course Content

No	List of Topics	Contact Hours
1.	General concepts about lighting in interior design	4
2.	Methods of measuring light intensity - the phenomenon of glare	4
3.	Methods of transmitting natural light from the surfaces and facades of buildings into deep spaces that natural light does not reach	4
4.	Explanation of the tools used in the process of measuring light intensity using the drawing method	4
5.	Calculating light intensity - How to take readings - The perimeter of the space and its colors	4
6.	Calculating the intensity of indoor light using the light intensity factor	4
7.	Study to analyze the external environment of light.	4
8.	Preparing a study on environmental analysis External through the horizontal projection of the chalet	4
9.	Preparing a study on environmental analysis internal through the horizontal projection of the chalet	4
10.	Types of lighting devices.	4
11.	Analysis and criticism of optical and opaque maps of a mosque.	4
12.	Analysis and criticism of optical and opaque maps of a mosque.	4
13.	Follow: Analysis and criticism of optical and opaque maps of a mosque.	4
14.	Preparing a report on lighting in interior design	4
15.	Final submission + Presentations	4
Total		**60**

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)	4-2	%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%

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
5.	Final exam	16	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	- light technology - Turaka Giorgio Giorgio - translation: Attia Ahmed Ibrahim - House Dawn - Cairo –2003
Supportive References	- Coatings Technology Handbook, Third Edition - by: Arthur A. Tracton
Electronic Materials	- Handbook of Hard Coatings: Deposition Technologies, Properties and Applications - by: Rointan F. Bunshah
Other Learning Materials	Scientific treatise and periodicals related to the course

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms equipped for lectures -Laboratory of Applied Works : 1-A lecture hall equipped with suitable seats for 40 students 2-Laboratories to receive applied works for 40 students
Technology equipment (projector, smart board, software)	Smart board -A laptop computer for a professor offixed device in the classroom with the appropriate software and the ability to access the World Wide Web
Other equipment (depending on the nature of the specialty)	Regular office equipment CDs Printers and plotters

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

Assessment Areas/Issues	Assessor	Assessment Methods	
			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**