هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

T-104

Course Specification

Course Title:	Acoustics in Interior Design
Course Code:	310IDS-3
Department:	Interior Design
Program:	Bachelor in Interior Design
College:	College of Design and Architecture
Institution:	Jazan University
Version:	1
Last Revision Date:	19/6/2023

Table of Contents:

A. General information about the course:

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: ninth	
4. Course general Description This course aims to introduce the requirements of comfort, audio, and create the capacity to design auditoriums of various kinds and choose the most appropriate methods of sound compatible with the uses of buildings and interior spaces different. The course includes the study of the principles and foundations of acoustics and acoustic requirements satisfaction, through the study of the properties of sound and its impact on the design of buildings, also includes the design principles for voice auditoriums, and noise control	
5. Pre-requirements for this course (if any): 203 IDS	
6. Co- requirements for this course (if any): None	
7. Course Main Objective(s) After this course is expected that student enables Understand the concept of sound 1 - Definition audio comfort requirements. The ability to design auditoriums of various kinds, the study of the principles and foundations of acoustics and acoustic requirements satisfaction and to acquire research skills (psycho-social).	

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	4	100
2.	E-learning	0	0
3.	Hybrid • Traditional classroom • E-learning	0	0
4.	Distance learning	0	0

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	24
2.	Laboratory/Studio	12
3.	Field	0
4.	Tutorial	12
5.	Others (specify)	0
	Total	**48**

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

Course Learning Outcomes (CLOs)		Related PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Targeted Level	Actual Level	
1	Knowledge and Understanding:					
1.1	Analyze the physical and health needs of users with regard to sound systems, which are taken into account in the architectural spaces design process.	K2	- Direct Method Objective Test and TST of final exam.	80 %	91 %	Very Good Result
			- Indirect Method Course LO Survey 34 Students Voting Out of 50		92 %	Excellent Result
2	Skills:					
2.1	Analyze and comparison, examples in the use of sound control systems in the design of internal	S1	- Direct Method Midterm exam and	80 %	86 %	Excellent Result
					85 %	Very Good Result

Course Learning Outcomes (CLOs)		Related PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Targeted Level	Actual Level	
	architectural space through maps and measurements		TST of final exam. - Indirect Method Course LO Survey 34 Students Voting Out of 50			
2.2	Demonstrate the ethical issues involved in the practice of professional governance in practice of Environmental control systems and understanding of sound professional codes of conduct according to national and international standards	S2	- Direct Method Midterm exam and TST of final exam. - Indirect Method Course LO Survey 34 Students Voting Out of 50	80 %	83 % 86 %	Very Good Result Very Good Result
2...	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	- Direct Method Midterm exam and TST of final exam. - Indirect Method Course LO Survey 34	80 %	85 % 82 %	Very Good Result Very Good Result

Course Learning Outcomes (CLOs)		Related PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Targeted Level	Actual Level	
			Students Voting Out of 50			
3	Values, autonomy, and responsibility					
3.1	Investigate contemporary trends in the design of soundmaps of interior architectural spaces, in line with the development of standard systems of environmental control	C1	- Direct Method Preparing one of the tender documents	80 %	94 %	Excellent Result
			- Indirect Method Course LO Survey 34 Students Voting Out of 50		89 %	Very Good Result
3.2	Practicing investigation and research methods and their applications related to acoustics design technology	C2	- Direct Method - Project evaluation	80 %	92 %	Excellent Result
			- Indirect Method Course LO Survey 34 Students Voting Out of 50		89 %	Very Good Result

C. Course Content

No	List of Topics	Contact Hours

1.	General concepts of acoustics and sound physics in interior design	4
2.	The behavior of sound in closed spaces	4
3.	sound absorbing materials	6
4.	The role of acoustics in shaping listening halls throughout history	4
5.	Audio design for auditoriums	4
6.	A study of the formation of some forms of halls on acoustics	4
7.	sound in interior spaces	4
8.	Study of acoustic treatments for the listening hall	6
9.	How to distribute the sound within the inner space	6
10.	Previous studies to find out the effect of the internal shape of the listening halls	6
Total		48

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- class work- class activity)	2-4	20%
2.	Mid-term exam	5-6	20%
3.	Evaluation 3&4 (Researches- short exams- short projects- homework- class work- class activity)	7-9	20%
.4	Final exam	13-14	40%
Total			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 - Coatings Technology Handbook, Third Edition - by: Arthur A. Tracton
Supportive References	Scientific treatise and periodicals related to the course The latest references in acoustics with interior architectural spaces. References for environmental control systems Reference books and journals in the environment analysis
Electronic Materials	- www.Archinet.com - Egypt architecture online
Other Learning Materials	Power point AutoCAD- Arch cad – Photoshop

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 60 students
Technology equipment (projector, smart board, software)	Data Show device fixed to the audio-visual presentations A laptop computer for a professor of fixed 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 and assessment	Students	- On line system course survey	
	Peer Reviewer or Head of Department		Peer or Head of Department observation
Quality of learning resources	Students	- On line system course survey	
	Peer Reviewer or Head of Department		Peer or Head of Department Assessment
Achievement of course learning outcomes	Students	Course LO survey	
Final exam validity	Program Assessment Committee or Head of Department		Theoretical test According to Test specification table

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

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Course Coordinator
REFERENCE NO.	IDS-9-44
DATE	20232