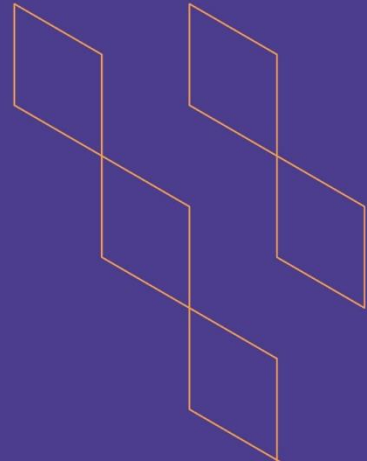




T-104  
2022

## Course Specification



Course Title:	<b>Building Materials</b>
Course Code:	<b>204IDS-3</b>
Program:	<b>Bachelor's in interior design</b>
Department:	<b>Interior Design</b>
College:	<b>Design and Architecture</b>
Institution:	<b>Jazan University</b>
Version:	<b>T-104</b>
Last Revision Date:	<b>4 March 2023</b>



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## A. General information about the course:

Course Identification	
1. Credit hours:	
2. Course type	
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Track <input type="checkbox"/> Others <input type="checkbox"/>	
b. Required <input type="checkbox"/> Elective <input type="checkbox"/>	
3. Level/year at which this course is offered:	Level 5/2 <sup>rd</sup> -Year.
4. Course general Description	
1. Course Description This course aims at a detailed study of the basic raw material for construction system and study of their properties and uses. Also, course includes detailed studies of finishing materials for interior and exterior spaces of different facilities, through the identification of the latest materials available in the globally and locally market, and the scientific name and the severity of each business rolling. And study the selection foundations of raw materials in interior design projects, and study the properties and methods of measurement and installation of various ores	
5. Pre-requirements for this course (if any):211	
6. Co- requirements for this course (if any):	
7. Course Main Objective(s) After this course the student is expected to be able to identify technological characteristics of different building materials, and its relation to the stages of the establishment of architectural structures. In addition of different means for building materials selecting suitable for the purpose and Scientific and trade Definition for various building materials	

### 1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	5	100%
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul>		
4.	Distance learning		

### 2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	22
2.	Laboratory/Studio	33
3.	Field	
4.	Tutorial	
5.	Others (specify)	
	Total	55

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

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.2	Demonstrate the various approaches and views that support the different fields of building materials used in construction according to the environmental and technological environment and the social, economic and cultural factors.	K2	- Lectures -Seminars -Workshops -Brainstorming - Cooperative learning -Dialogue and discussion.	Direct method (Objective test) by Test Specification table  Indirect method  Course LO survey
2.0	Skills			
2.1	Apply techniques, practices and skills that contribute to the use of building materials in various areas of interior design through sustainability standards, life safety principles and relevant laws and regulations	S1	- Illustrative tutorials - Practical implementation - Problem-solving strategy	Direct method (Objective test) by Test Specification table  Indirect method  Course LO survey
2.2	practice of different research and investigation methods and their applications related to the techniques and technologies of modern building materials	S2		
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate the ability to make structured decisions in contexts that require	V1	- Self-learning	Direct method (Objective test) by Test



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	the implementation of projects for building materials by self-sustaining learning and innovation.		-Small group discussion -Interactivity Focus -Cooperative learning	Specification table Indirect method Course LO survey
3.2	Organizing the management of complex technical or professional activities related to the use of building materials, and linking them to the professional disciplines related to the management of these works	V2	- project evaluations - Presentations	

### C. Course Content

No	List of Topics	Contact Hours
1.	Introduction of General architectural space and Building materials(Natural, Manufactured and Mixed Materials(	5
2.	-Natural stone ( Types – using)	5
3	-Cumulus ( Sources – Types)	6
4	-Gypsum and Lime(properties - Types)	5
5	-Mortar (Composition- Types)	5
6	-Cement (properties - Types)	6
7	–Soft Concrete & Rigid Concrete	6
8	-Mixing water	5
9	-Calculations and quantities of the concrete wall & Bricklaying works	6
10	-Calculations and quantities of finishes (bricks – tiles)	6
Total		55

### 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	5-6	20%
3.	Evaluation 3&4 (Researches- short exams- short projects- homework- classwork- class activity )	7-9	20%





No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
4.	<b>Total 1</b>		<b>60%</b>
5.	Final exam	12	40%
6.	<b>Total 2</b>		<b>100%</b>

\*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	<ul style="list-style-type: none"> <li>- Neufert E; Les éléments du projet de construction 7eme Edition DunodFrance 2006</li> <li>- Barry,R., The Construction of Building ,Granada 1998</li> <li>- Foster J.S ;Structure and Fabric Part1,Mitchell's London 1983</li> <li>- R, Delebecque Dessin - Bâtiment 1 Paris Librairie de L'aggrave 1978</li> <li>- R, Delebecque, Bâtiment 2 Eléments de construction Paris Librairie de L'aggrave 1978</li> </ul>
Supportive References	Technological Innovation of Advanced Building Materials: Management of Global Innovation for the 21st Century, Sanford L. Moskowitz, Wiley, (Second Edition)2018
Electronic Materials	- <a href="http://www.Science direct.com">www.Science direct.com</a>
Other Learning Materials	

### 2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Class room containing 60 desk and 60 chairs
Technology equipment (projector, smart board, software)	-Data show attached to instructor computer and projector screen.
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	
Other			

## G. Specification Approval Data

COUNCIL /COMMITTEE	Course Coordinator
REFERENCE NO.	IDS-4-15
DATE	20232

