



**University/Academy:** Arab Academy for Science, Technology & Maritime Transport  
**Faculty/Institute:** College of Engineering & Technology  
**Program:** B.Sc. Architectural Engineering and Environmental Design

### Form no. (12): Course Specification

#### 1- Course Data

Course Code: <b>AR 526</b>	Course Title: <b>Vernacular Architecture</b>	Academic Year/Level: <b>5<sup>th</sup> year / 9<sup>th</sup> semester</b>
Specialization: <b>Architecture</b>	No. of Instructional Units Credit <b>2</b> Lecture <b>1</b> Tutorial <b>3</b>	Prerequisite <b>AR334</b>

#### 2- Course Aim

This course will provide an introduction to the field of vernacular architecture, research in different countries, describing and defining basic building types, focusing on interpretive concerns such as how to read a building, the social functions of architecture and the hidden intentions in the built form.

Also demonstrating how material, culture can be analyzed to provide a broader, richer account of the human past, while reaching out for cross cultural comparisons, the course will concentrate on African and Arabian countries vernacular architecture with particular intention to regional formation.

**The course aims to:**

- Provide basic knowledge of vernacular architecture in Arabian region and Africa.

#### 3- Intended Learning Outcomes

<b>a- Knowledge and Understanding</b>	<b>Through knowledge and understanding, students will be able to:</b> <ul style="list-style-type: none"><li>• Demonstrate understanding of different theories of Vernacular Architecture.</li></ul>
<b>b- Intellectual Skills</b>	<b>Through intellectual skills, students will be able to:</b> <ul style="list-style-type: none"><li>• Solve specific architectural problems.</li><li>• Analyze different issues in vernacular case studies.</li></ul>
<b>c- Professional Skills</b>	<b>Through professional and practical skills, students will be able to:</b> <ul style="list-style-type: none"><li>• Apply presentation (orally, visually, drawings) and its techniques</li><li>• Create new perspective for contemporary theories of architecture.</li></ul>
<b>d- General Skills</b>	<b>Through general and transferable skills, students will be able to:</b> <ul style="list-style-type: none"><li>• Apply research work in an interdisciplinary environment and elaborate with others.</li><li>• Express personal opinion and present it correctly in oral, reading and written form.</li><li>• Manage to be integrated in team work, being corporative and useful.</li><li>• Present different subjects scientifically, logically and professionally.</li></ul>

#### **4- Course Content**

<b>Week No.1</b>	Introduction
<b>Week No.2</b>	Cultural contents in vernacular architecture
<b>Week No.3</b>	Social and economical implications and vernacular architecture
<b>Week No.4</b>	The question of definitions among (vernacular, rural, indigenous, primitive, popular, traditional, etc.)
<b>Week No.5</b>	Environment and vernacular architecture
<b>Week No.6</b>	Concepts and characteristics of architecture in traditional communities
<b>Week No.7</b>	Continuation of the previous lecture and evaluation.
<b>Week No.8</b>	African case studies
<b>Week No.9</b>	Arabian case studies
<b>Week No.10</b>	The attempts of Egyptian contemporary architects in handling popular heritage of architecture
<b>Week No.11</b>	Local case studies
<b>Week No.12</b>	Continuation of the previous lecture and evaluation.
<b>Week No.13</b>	Presentation of the research
<b>Week No.14</b>	Presentation of the research
<b>Week No.15</b>	Revision.

#### **5- Teaching and Learning Methods**

The course comprises a combination of:  
Lectures, discussion sessions, and research assignment

#### **6-Teaching and Learning Methods for Students with Special Needs**

- Consulting with lecturer during office hours.
- Consulting with teaching assistant during office hours.
- Private sessions for redelivering the lecture contents.
- For handicapped accessibility, please refer to program specification.

## 7- Student Assessment

Asses No.	Procedures used		Start Week No.	Subm. Week No.	Weighting of Asses.
	Type	To assess			
1	Written Exam	Knowledge and understanding.		7	30%
2	Written Exam	Knowledge and understanding.		12	20%
3	Research	All skills	7	13	10%
4	Written Exam	Knowledge and understanding.		15	40%
<b>Total</b>					100%

## 8- List of References:

<b>a- Course Notes</b>	Notes are handed out on a weekly basis.
<b>b- Required Books (Textbooks)</b>	N/A
<b>c- Recommended Books</b>	<ul style="list-style-type: none"> <li>• Lindsay Asquith and Marcel Vellinga, <i>Vernacular architecture in the twenty-first century: theory, education and practice</i>, Taylor &amp; Francis, 2006.</li> <li>• Fathy Hassan, <i>Natural Energy and Vernacular Architecture: Principles and Examples with Reference to Hot Arid Climates</i>, University Of Chicago Press, 1986.</li> </ul>
<b>d- Periodicals, Web Sites, etc.</b>	Thomas Carter and Elizabeth Collins Cromley, <i>Invitation to Vernacular Architecture: A Guide to the Study of Ordinary Buildings and Landscapes</i> . Vernacular Architecture Studies, Diane Shaw, series editor. Knoxville: The University of Tennessee Press for the Vernacular Architecture Forum, 2005: xiii-43. (Introduction and chapters 1 and 2)