

### **Course name: ISLAMIC GEOMETRIC SHAPES AND DECORATION**

**Course code:** ARCH 305

**Course hours:** Credit hours 2, Contact hours 2

**Course Pre-requisites:** None

### **Course Description**

This course aims to study models for decorative geometric shapes, employed Muslim artists decorate artwork applied to the cloth and ceramics, wood and iron work to spruce up the architectural elements used as doors and Windows and the Mihrabs, domes and Mokarnsat. From such models would learn student employment principles and techniques employed in the design of these geometric shapes and can be developed and used as a decorative element in architecture.

### **Course Main Objective**

In this course, the students will be to:

- Expose students to the essential features of Islamic geometric pattern, its elements and applications in built environment.
- Encourage appreciation of Islamic cultural heritage in arts and design.
- Enable students to apply the knowledge and skills acquired to their studio design projects.

### **Course Learning Outcomes**

After the completion of this course, the students will be able to;

- Demonstrate understanding of the underlying principles and geometric construction of Islamic Geometric Pattern design through assignments given.
- Apply the understanding of classic proportioning systems in their design projects via developing the visual skills of proportion analysis for good design.
- Demonstrate the ability of producing original interpretation of classic designs.
- Ability to analyze, criticize and enrich the architectural representation and rendering with heritage forms to enhance artistic vision and expertise through Islamic Geometric Pattern.

### **Course evaluation**

- Quizzes, practical assignments
- Weekly/biweekly reviews
- Midterm examination
- Attendance
- Final examination

### **Course recommended books**

- Critchlow, K. (1997). Proportion Rectangles, The Prince of Wales' Institute of Architecture, London.

### **Course References**

- Critchlow, K. (1993). Sacred Islamic Geometric Patterns, Thames and Hudson, London
- Azzam, K. and Critchlow, K. (1997). The Arch in Islamic Architecture, The Prince of Wales' Institute of Architecture, London.
- P. (1997). Unity in Pattern, Marchant, The Price of Wales' Institute of Architecture, London.
- Burckhardt, T. (1976). Art of Islam: Language and Meaning, Burckhardt, T. (1976), World of Islamic Festival Trust.
- Critchlow, K. (1969). Order in Space, Thames and Hudson, London.