

## **Learning Goals and Objectives in Math 128**

- Understand some of the major contributions of the Islamic Civilization (IC) to mathematics and Science
- Understand the connections and interactions between IC and other civilizations in terms of exchange of scientific knowledge.
- Understand the reasons behind the rapid developments in scientific progress in the IC
- Understand the reasons behind the lack of awareness on the subject among the general public, even among highly educated people.
- Compare and contrast the Classical Narrative (CN) and the Alternative Narrative (AN) of Islamic Science. Explain arguments and evidence for each narrative. Explain specific evidence to support AN.
- Explain specific contributions of Islamic scholars to mathematics and science.
- Explain the limitations of the CN and the damage it caused.

### **The purpose of the Public Presentations of the Final Projects**

In this field, much work is needed on two fronts:

1. Academic research on primary sources
2. Dissemination of established knowledge to the general public.

You will be learning some of the state of the art knowledge in this course. The main purpose of the public presentations of your final projects is to help disseminate the accurate information on the subject to the general public. Even the Muslim community does not have it. So, they appreciate receiving accurate information based on research on primary sources.