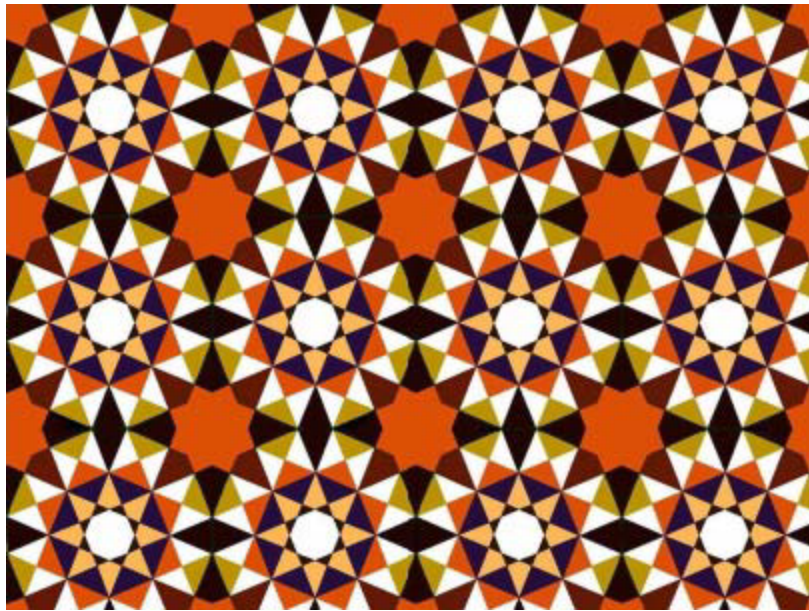


GEOMETRY AND THE ART OF ISLAM



When: Thursday, October 31, 2013, 12:30p.m. -1:45pm

Where: Top of Commons, Hillwood Commons, LIU Post

Speaker: Dr. Anne Burns

The study of Islamic Art is ideal for a unified interdisciplinary experience in art and mathematics. It can lead to a greater understanding of artistic and cultural concepts. Islamic Art relies heavily on key concepts in mathematics: geometry, symmetry and pattern. Patterns that appear to be complex and intricate can be analyzed to identify a fundamental unit that can be rotated, reflected and translated. Students learn the underlying geometric framework and create their own patterns using Geometer's Sketchpad, the modern equivalent of a compass and straightedge. This exhibit features geometric artwork produced by students in two Honors courses taught by Mathematics Professor Anne Burns. The course analyzed the geometric principles present in examples of Islamic Art and then used those principles to create their own patterns.

About the Speaker...

Anne Burns started out majoring in Fine Arts at Pratt Institute. She later became interested in mathematics and received a PhD in Mathematics from SUNY at Stony Brook in 1976. She has been teaching mathematics at LIU Post since that time. When home computers became available in the late 1980's she began experimenting with using mathematical formulas to create computer-generated art. She is now active in the Bridges-Math-Art Organization, the largest international organization devoted to mathematical art. She has many publications in the field of mathematical art.

Please Note:

This event is free and open to the public. The event is sponsored by the LIU Post Library and partners and supported by a grant from the New York Council for the Humanities.



Long Island University-Post Campus, 720 Northern Boulevard, Brookville, NY 11548
For further information contact: The Instructional Media Center, Library 516-299-2895
or Prof. Manju Prasad Rao 516-299-2868

