

1035-J1-1451      **Ann Robertson\*** (arob@conncoll.edu), Connecticut College, Box 5378, 270 Mohegan Ave.,  
New London, CT 06320. *Teaching an Ethnomathematics Course through the Lens of Geometry.*

An ethnomathematics course will be taught in Spring Semester 2008 at Connecticut College. Concentration will be on the practice of mathematics by different cultural groups within historical or contemporary settings. Groups will be classified by ethnicity (e.g., Arabic or Native American); geography (e.g., African, Asian, European, or Indian) or social group (e.g., gender or economic class).

The focus of the course will be on geometry. Euclidean geometry modules will concentrate on symmetry within the Incan civilization and on the convergence of Islamic art history, architecture, and mathematics at the Alhambra. Non-Euclidean geometry materials will highlight the Inuit culture from ancient times to 1890-1920. Fractal geometry of indigenous African groups will be investigated by examining their knowledge-based systems.

Class lectures, presentations, discussions, guest speakers/artists will provide varying perspectives while students complete mathematical, written and project assignments. Writing, Web-based modules, software, and peer assessments will further broaden the course. (Received September 19, 2007)