



Wednesday, September 9, 2009  
4:00–4:50 p.m.  
SAS 2229

# The Platonic Solids and the Four Color Theorem: An Introduction to Planar Graphs

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**Graph theory** is an area of mathematics that requires very little introduction before some very cool problems can be posed and solved. We will start from the basic definitions and examine proofs (and a false proof) of two historically interesting problems: classifying all regular polyhedra and coloring maps with as few colors as possible. This talk should be **accessible to any undergraduate** and will involve many pictures and few formulas!

NCSU Society for Undergraduate Mathematics

## SUM Series

Mathematics and pizza!