Abstract:
Capillary surfaces are interesting geometric objects which turn out to be important in microgravity environments (e.g. in space) and in tiny devices (e.g. electronic, "lab on a chip"). This talk will focus on the mathematical theory of capillary surfaces in vertical cylinders and sketch the 2010 proof of the 40 year old "Concus-Finn conjecture." Related open questions will be mentioned.

Friday, April 13, 2012
3:00 PM in 372 Jabara Hall