Instructor: Richard Otte
Office: Cowell A-109
Office hours: T,TH 11-11:45, and by appointment
Phone: 459-2819
email: otte@ucsc.edu (do not email me with specific questions about logic; please talk to me in person about those questions)

Text: *An Introduction to Non-Classical Logic: From If to Is* by Graham Priest, available at the Literary Guillotine.
Some articles will be available on ecommons.

Students may choose to have evaluations be based on homework, exams, and the final requirement, or on homework, exams, attendance, and the final requirement. Homework will be due at the beginning of class; late homework is not accepted.

Students with Disabilities:
"If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me during my office hours or by appointment, preferably within the first two weeks of the quarter. Contact DRC by phone at 831-459-2089, or by email at drc@ucsc.edu for more information."

Topics that will be covered (tentatively in this order)

Mathematical Preliminaries

Introduction to classical sentential logic (chap 1)

Basic Modal Logic (chap 2)

Normal Modal Logics (chap 3)

Non-Normal Modal Logic and Strict Conditionals (chap 4)

Conditionals (chap 5)

Intuitionistic Logic (chap 6)

Many-valued Logics (chap 7)

Problems with Modus Ponens
“A Counterexample to Modus Ponens” by Vann McGee
“Not a Counterexample to Modus Ponens” by E. J. Lowe
“Assumptions and the Supposed Counterexamples to Modus Ponens” by D.E. Over

Quantified Modal Logics