Instructor: Tiziana Vistarini
Email: tv85@rci.rutgers.edu
Time: Tuesday and Thursday, 2:50 – 4:10
Place: Schott Hall 116, College Avenue
Office: TBA
Office Hours: TBA

Course description: This course is divided in two parts. The first part deals with basic deductive logic. The second part is an introduction to inductive arguments and the probability calculus:

Part I: Deductive (Sentential) Logic

- Unit #1. Basic concepts of logic (mainly, deductive logic).
- Unit #2. Symbolization in (and syntax of) sentential logic (propositional logic/truth-functional logic).
- Unit #3. Semantics of sentential logic (propositional logic/truth-functional logic).

Part II: Inductive/Probabilistic (Sentential) Logic

- Unit #4: Inductive/Probabilistic (Sentential) Logic as a Generalization of Deductive (Sentential) Logic

Readings: For the first part I will use Modern Logic by Graeme Forbes, along with Introduction to Logic, an online text by Gary Hardegree, (http://courses.umass.edu/phil110-gmh/text.htm). For the second part I will use some chapters from Choice and Chance by Brian Skyrms. Any additional readings will be provided by me in class during the semester.

Requirements: 30% Midterm, 40% Final, 30% Homework. Attendances and class participation will be rewarded and may significantly improve your grade.