Course staff

- Instructor: Abhishek Bhrushundi
- Recitation instructors and graders:
  - Section 1: Aulene De (recitation instructor + grader)
  - Section 2: Isabella Pham (recitation instructor) + Matt Notaro (grader)
  - Section 3: Adam Jamil (recitation instructor + grader)
Instruction, recitation, and office hours

- Instruction: Mon & Wed, 1:40 to 3:00 PM, TIL 254
- Recitations:
  - Section 1: Mon, 12:15 to 1:10 PM, LSH-A143
  - Section 2: Mon, 10:35 to 11:30 PM, LSH-B115
  - Section 3: Wed, 12:15 to 1:10 PM, LSH-B117
- Office hours:
  - Abhishek Bhrushundi: Fri, 4-5 PM, Hill 257
  - Recitations and graders (Room 111, RUTCOR):
    - Aulene De: Thur, 2-3 PM
    - Isabella Pham + Matt Notaro: Wed, 5-6 PM
    - Adam Jamil: Tue, 2-3 PM
E-mail policy

- All questions (except those pertaining to make-ups, HW extensions, and scheduling a meeting) should ONLY be posted on Piazza, or asked during class, recitation, or office hours!
- E-mail addresses on course webpage and on Sakai
- Sign up on Piazza ASAP! Can be done via Sakai.
Course syllabus

See course syllabus document under Resources on Sakai
Course structure

See course structure document under Resources on Sakai
Propositional Logic
What is a proposition?

A declarative sentence (i.e. a sentence that makes a “claim”) that is either true or false but not both!

“Nancy is a programmer”, “8 X 6 = 48” are propositions

“X+2 = 3”, “Where is John?”, “Go to school” are NOT propositions!!
Propositional variables

Propositional variables are denoted by lower case characters \( p, q, r, s, t, \ldots \) and can be assigned a proposition.

\[ p = \text{“Nancy is a programmer”} \]

\[ q = \text{“} 8 \times 6 = 48 \text{”} \]

Similar to variables used for numbers
The truth value of a proposition

Two possible truth values: $T$ (True), $F$ (False)

What is the truth value of $p$ if $p = \text{“It’s raining today in Piscataway”}$
Propositional logic/calculus

Area of mathematics/philosophy that deals with propositions (the way calculus deals with real numbers)