

Syllabus: CGSC5103 (Formal Methods)

Raj Singh
raj.singh@carleton.ca

1 Class information

- Dates: Wednesdays, Jan 7 2020 - April 1 2020
- Time: 8:35am-11:25pm
- Location: Dunton Tower 2203
- Course prerequisites: Permission of the department

2 Instructor information

- Instructor: Raj Singh
- Office: DT2206A
- Phone: 613-520-2600 x1778
- E-mail: raj.singh@carleton.ca. Students should use a Carleton email address when communicating with me or the TA.
- Office Hours: Wednesdays, 12:00pm-2:00pm

3 Course description

This class introduces students to a handful of formal methods that have found application in the cognitive sciences. We will look in particular at formal logic and its application to AI, linguistics, philosophy, and psychology. The course will move back-and-forth between conceptual, formal, and empirical issues.

4 Readings

There is no required textbook. All relevant materials will be given by in-class discussion, my own lecture notes, and journal articles that I will direct you to that are freely available.

5 Course website

The course website is found on CULearn. Here you will find relevant announcements, the syllabus, relevant course materials, and a space in which you can discuss course content with your peers.

6 Evaluation

Your evaluation is based on two components: (i) Four assignments worth 15 percent each, and (ii) A take-home exam worth 40 percent. You will be expected to attend class and participate. The take-home exam will be given out before the last day of classes and will be due on April 25th.