

## Mathematics 4215H – Mathematics from medieval to modern times

TRENT UNIVERSITY, Fall 2012

### Readings & Schedule

The schedule below is firm, barring unforeseen events and necessities, for due dates and such, but it is a polite fiction so far as progress through the content of the course is concerned – no lesson plan survives contact with students! – and our actual pace will be adjusted as necessary. The readings are from the text: *A Problem Course in Mathematical Logic*, Version 1.6, Stefan Bilaniuk, 2003. It's free and can be downloaded from: <http://euclid.trentu.ca/math/sb/pcml/>

**Week 0.** (*3–7 September, 2012.*) Classes start on Thursday, 6 September, which means we will not have a lecture on Wednesday this week. We will use the first lecture on Thursday for the usual administrivia (review the course outline, distribute the first few handouts, answer organizational questions, *etc.*).

**Week 1.** (*10–14 September, 2012.*) Please read Chapter 1.

**Week 2.** (*17–21 September, 2012.*) Please read Chapter 1 and Chapter 2 through Proposition 2.6 inclusive.

- Assignment #1 due on Friday, 21 September, 2012.

**Week 3.** (*24–28 September, 2012.*) Please read Chapter 2 and Chapter 3 through Proposition 3.7 inclusive.

- Assignment #2 due on Friday, 28 September, 2012.

**Week 4.** (*1–5 October, 2012.*) Please read Chapter 3 and Chapter 4 through Proposition 4.7 inclusive.

- Assignment #3 due on Friday, 5 October, 2012.

**Week 5.** (*8–12 October, 2012.*) Please read Chapter 4.

- Assignment #4 due on Friday, 12 October, 2012.

**Week 6.** (*15–19 October, 2012.*) Please read Chapter 5.

- Assignment #5 due on Friday, 19 October, 2012.

**Week R.** *Reading Week!* (*22–26 October, 2012.*) Enjoy reading something else – or read ahead!

**Week 7.** (*29 October – 2 November, 2012.*) Please read Chapter 6 through Proposition 6.9 inclusive.

- Assignment #6 due on Friday, 2 November, 2012.

**Week 8.** (*5–9 November, 2012.*) Please read Chapter 6 and Chapter 7 through Proposition 7.4 inclusive.

- Assignment #7 due on Friday, 9 November, 2012.
- The last date to drop Fall term half-courses without academic penalty is Tuesday, 6 November, 2012.

**Week 9.** (*12–16 November, 2012.*) Please read Chapter 7 and Chapter 8 through Proposition 8.2 inclusive.

- Assignment #8 due on Friday, 16 November, 2012.

**Week 10.** (*19–23 November, 2012.*) Please read Chapter 8 through Theorem 8.14 inclusive.

- Assignment #9 due on Friday, 23 November, 2012.
- The take-home final examination will be distributed on Wednesday, 21 November.

**Week 11.** (*26–30 November, 2012.*) Please read Chapter 8 and Chapter 9 through Lemma 9.3 inclusive.

- Assignment #10 due on Friday, 30 November, 2012.

**Week 12.** (*3–7 December, 2012.*) Please read Chapter 9.

- Assignment #11 due on Wednesday, 5 December, 2012.
- The last day of classes is on Wednesday, 5 December, 2012.

**Mid-term test and Fall half-course final examination period.** (*7–19 December, 2012.*)

- The take-home final examination will be due on Wednesday, 19 December, 2012.

Last modified 2012.09.10.