Introduction to Logic Syllabus

Fall 2014   01:730:201   Section 3

M,W 7:40pm-9:00pm SC-207

Instructor:

Nick Tourville

tourville.nicholas@gmail.com

Office Hours:

Office Hours TBD, but I'm available by request. Email me or talk to me to set up an appointment.

Overview: This course is an introduction to symbolic logic. We will cover translation, formal semantics, and proof-theory for truth-functional sentential logic and quantified predicate logic. These tools will help you construct and evaluate arguments.

Text:

We will be using the free(!) textbook *forallX*, by P.D. Magnus. It is available as a PDF online: http://www.fecundity.com/codex/forallx.pdf

I recommend you acquire a hard copy if possible, but it is not required. You can get a nice paperback version of it for around $12 (with shipping) here: http://www.lulu.com/shop/pd-magnus/forall-x-an-introduction-to-formal-logic/paperback/product-18828702.html

Grading:

Homework: 35%

Quizzes: 30%

Final Exam: 30%

Attendance/Participation: 5%

There will be seven homework assignments (problem sets), each worth 5% of your grade. There will also be three quizzes, each worth 10% of your grade, and a cumulative final exam worth 30%. The final 5% will be based on attendance/participation. I will go over some homework problems after they are turned in (at the beginning of class), so late assignments will not be accepted. Try to let me know ahead of time if you are not able to turn an assignment in on time, or if you are going to miss class (especially a quiz/exam).

Schedule:

This schedule is approximate and will likely change. Check the GoogleDoc version of this syllabus for updates: https://docs.google.com/document/d/1iYHn2wgg6eIbZGScKXty3WCm5XhrJLS8KrULxmjYMz0/edit?usp=sharing

Date	Sections covered in class	Homework for next class
W Sep 3	Syllabus, Introduction	Read 1.1-3
M Sep 8	1.1-3	Read 1.4-6
W Sep 10	1.4-6	Read 2.1-2, Homework 1
M Sep 15	2.1-2	Read 2.3-4
W Sep 17	2.3-4	Read 3.1-3, Homework 2
M Sep 22	3.1-3	Read 3.4
W Sep 24	3.4	Homework 3
M Sep 29	Review	Study for Quiz 1
W Oct 1	Quiz 1	Read 4.1-3
M Oct 6	4.1-3	Read 4.4
W Oct 8	4.4	Read 4.5-6
M Oct 13	4.5-6	Read 5.1, Homework 4
W Oct 15	5.1	Read 5.2-3
M Oct 20	5.2-3	Read 5.4-5
W Oct 22	5.4-5	Homework 5
M Oct 27	Review	Study for Quiz 2
W Oct 29	Quiz 2	Read 6.1
M Nov 3	6.1	Read 6.2-3, 6.6
W Nov 5	6.2-3, 6.6	Read 6.4, Homework 6
M Nov 10	6.4	Read 6.5
W Nov 12	6.5	Read 6.7-8, Homework 7
M Nov 17	6.7-8	Practice proofs!
W Nov 19	Review	Study for Quiz 3
M Nov 24	Quiz 3	Read 6.9
~~W Nov 26~~	No class (go to Friday classes)	Have a happy Thanksgiving!

M Dec 1	6.9	Come up with questions to ask!
W Dec 3	Cumulative Review	Study for the Final Exam
M Dec 8	Final Exam	Relax, the exam is over!
W Dec 10	Further topics in Logic	Ponder the beauty of logic!