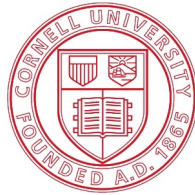


PHILOSOPHY 2310:
INTRO TO DEDUCTIVE LOGIC



JOEL VELASCO
MWF 1:25-2:15, FALL 2010

Lectures: MWF 1:25-2:15, in Goldwin Smith G64.

Sections: Optional Sections will be held Fridays 11:15-12:05 in Uris 375A.

Evening Prelims at 7:30 PM: Tues, Oct 5th and Tues, Nov 2nd, both in McGraw 165.

Professor: Joel Velasco; office: 228 GS;

e-mail: joelvelasco@cornell.edu; campus phone: 5-6891.

Office time: Tuesday, 2:00-3:00 and Wednesday, 2:30-3:30 or by appointment (don't be shy!).

Text: Language, Proof and Logic, text and software package; by Jon Barwise and John Etchemendy.

WARNING: you will need to register with The Grade Grinder, using the Registration ID# that comes with the software CD in the book-package.

So a used copy of the book-package will not do **if** the previous owner has already registered: different people need to use different registration numbers.

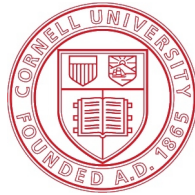
Content. For the most part, this course will be devoted to two topics.

Standard propositional (also called sentential or truth-functional) logic, focused on the truth-functional sentential connectives: Conjunction ('and'), Disjunction ('or'), Negation ('not'), Indicative Conditionality ('if', 'unless', 'only if'), Biconditionality ('if and only if').

Standard predicate (also called quantificational) logic, focused on the standard quantifiers: Universality ('all', 'every', 'each'), Existence ('exists', 'there is a').

Throughout the course, we'll consider the relations between forms of linguistic expression and the senses expressed by English sentences. We'll learn to use a formal language, to translate English sentences into this language, and to construct formal derivations (also called proofs) within this language that express deductively valid arguments. We'll also discuss and construct what the text calls worlds, and consider their relationship to sentences of both our formal language and of English.

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Work for the course: problem sets each week, 2 evening prelims (see above), and a regular Cornell Final Exam.

Final Grade: 20% for each prelim, 30% for the Final, 30% for required homeworks.

Concerning Homework:

Assignments will be posted at Cornell's BLACKBOARD website; the course is listed as: phil2310-Velasco-Fall2010.

Electronic Homework: You will submit Electronic Problem-sets files over the internet to the Grade Grinder. After you submit a file, the Grade Grinder gets back to you, telling you whether you got each problem right or wrong, in some cases with comments. You may resubmit problems (or a single problem) as often as you want -- presumably you'll stop when you've gotten them right.

Electronic homework will be due by Midnight of the day for which it's listed.
Paper-&-pencil Homework: due in class on the day of its deadline.

Regarding late homework: if you can't submit it by the deadline, you must make an arrangement with me to hand it in late otherwise it will not be accepted.

You may discuss homework problems with you fellow students. In fact, we encourage working on problems in groups. But WARNING: each file that you submit to the Grade Grinder must be your own work! We will treat submission of someone else's file as a VIOLATION of Cornell's Code of Academic Integrity. The Grade Grinder is good at catching copied files.

Of course, *we expect each student in this course to abide by the Cornell University Code of Academic Integrity* (<http://cuinfo.cornell.edu/Academic/AIC.html>).

Here's the LPL latest website, in case you have problems with software.
<http://lpl.stanford.edu>