

Syllabus
for
PHIL3530: Philosophy of Logic
Autumn Semester, 2014
(Prerequisite: PHIL2500 or equivalent.)

Instructor

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1 Lecture/seminar meetings

Tuesday and Thursday, 9:35–10:55 a.m. in Fontana Laboratories, Room 142

2 Aims

PHIL3530 enables a smooth progression for the serious Logic student from PHIL 2500: Introduction to Symbolic Logic, to PHIL6500: Symbolic Logic. The course also caters to less technically-minded Philosophy students who would like to know more about various philosophical issues surrounding Logic, and about issues in other areas of Philosophy (such as metaphysics, epistemology and philosophy of language) for whose analysis or explication Logic can provide some useful tools.

3 Topics

1. Reference: names and indexicals. Definite descriptions. Quantification: first order; second order; plural.
2. Identity and indiscernibility. Non-denoting terms and free logic.
3. Semantic closure and paradoxes. Tarski's definition of truth. Deflationism.
4. Logical consequence and deducibility. Proof-theoretic v. model-theoretic accounts of the meanings of logical constants.
5. The justification of deduction. Intuitionistic v. classical logic.
6. Conditionals and relevance.
7. Propositional attitudes and modal operators. Referential opacity and intensionality.
8. Elements of the main philosophically interesting extensions of classical logic: modal logic; deontic logic; doxastic/epistemic logic; tense logic.
9. Logical analyses/explications of the following important notions in metaphysics and the philosophy of science: supervenience; reductionism; hypothetico-deductive method; cognitive significance

4 Reading

1. N. Tennant, *Natural Logic*, 2nd edn., Edinburgh University Press, 1990
2. S. Haack, *Philosophy of Logics*, Cambridge University Press, 1978
3. D. Jacquette, ed., *Philosophy of Logic*, Blackwell, 2001.
4. D. Jacquette, ed., *Philosophy of Logic: An Anthology*, Blackwell, 2002.
5. D. Jacquette, ed., *Philosophy of Logic*, Elsevier/North Holland, 2007.
6. Other *loci classici*, chosen by the instructor, which will be made available as .pdf files on Carmen.

5 Online resources

A very useful online resource is the Stanford Encyclopedia of Philosophy, at <http://plato.stanford.edu/>.

6 Important deadlines

Thursday, October 16, 2014	Midsemester essay due
Tuesday, December 9, 2014	Last class, final essay due

7 Assessment

Midsemester essay	40%
Final essay	60%

Topics for the essays will be posted in due course.

8 Office hours

TW 2:00–3:00 p.m.

9 Policy on attendance at classes

Attendance is expected, and will be recorded.

If the record involves the signing of attendance sheets, please be advised that the authenticity of signatures will be checked. Anyone forging another student's signature, or knowingly allowing their own signature to be forged, will be severely penalized, since it will count as academic misconduct.

Every unexcused absence will result in a drop of one percentage point in your final numerical grade. (One letter grade consists of ten percentage points.)

The commonest excuse for an absence is that one has been ill or that there has been a family emergency. In the case of a medical excuse, please be prepared to give me, if requested, a copy of the standard visitation form signed by the medical practitioner. Please email your medical excuse to me. Likewise, in the case of a family emergency, please just email me to let me know.

Please note the importance of emailing your excuses *from lectures* to me; and from your *recitations* to your TA . Make sure you use a subject header of the form PHIL 3530: Week [Number], [Day-of-week]. Example:

PHIL 3530: John Doe: Week 5, Wednesday

Note that we shall count Week 1 as the week that begins on Monday, September 1, 2014.

You will be trusted not to abuse this honor system, which is designed to minimize stress on students genuinely experiencing it. These excuses will be retroactive, but each excuse must be recorded at the first class after the absence, and certainly before the beginning of exam week.

10 Plagiarism

Plagiarism is intellectual theft: purloining another person's ideas or mode of expression without proper attribution, and passing off the written material in question as one's own work. Plagiarism is serious *academic misconduct*, and the University has strict rules that penalize it. You will be assumed to be acquainted with these rules. Please be mindful of the need for careful note-taking, so that you do not inadvertently make the mistake, when completing an assignment, of including material that you forget you had copied earlier from another source. The risk of inadvertent copying is especially marked if you download material from the web. But then so is the risk of being caught, since one can search the web for the very material that the student

has failed to attribute to its original source.

Any instructor who has reason to believe that a student is guilty of academic misconduct in their course is *obliged* by University rules to report the matter to the Committee on Academic Misconduct. COAM's penalties can be very severe.

11 Accommodations for Disabilities

Any student who feels a need for an accommodation because of a disability should contact me privately to discuss their specific needs. For further information please contact the Office for Disability Services at 614-292-3307 in Room 150, Pomerene Hall. This Office coordinates reasonable accommodations for students with documented disabilities.