Philosophy 250: Symbolic Logic
Fall 2006

General information

Time:	T R 10:30 AM – 12:18 PM
Location:	Baker Systems Engineering 120
Webpage:	http://people.cohums.ohio-state.edu/caplan16/250.htm

Instructor Ben Caplan

Office:	337F University Hall
Office hours:	M T 1:30 PM – 2:30 PM or by appointment
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Grader Alison Duncan Kerr

Office:	214 University Hall
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Course description We will study sentential and predicate logic. We will learn how to do three things: (*i*) symbolize natural-language arguments in various formal languages, (*ii*) interpret those formal languages, and (*iii*) do proofs in those formal languages.

Required text Graeme Forbes, *Modern Logic: A Text in Elementary Symbolic Logic* (Oxford: Oxford University Press, 1994).

Course requirements

Homework assignments	33.3%
Midterm exam	33.3%
Final exam	33.3%

Homework assignments will generally be handed out during class on Thursday and will generally be due at the beginning of class the following Tuesday. Only the six homework assignments on which you score the highest will count

towards your final grade. No late or make-up homework assignments will be accepted.

Disabilities Students who might need accommodations are encouraged to contact me and the Office for Disability Services (150 Pomerene Hall, 292-3307).

Academic misconduct Academic misconduct is a serious offense. You are responsible for knowing what counts as academic misconduct. You might want to consult the Code of Student Conduct or the Committee on Academic Misconduct:

http://studentaffairs.osu.edu/resource_csc.asp

and

http://oaa.osu.edu/coam/home.html.

Tentative outline A detailed and updated outline will be posted on the course webpage.

Week 1	Introduction (Chapter 1)
Week 2	Sentential logic: symbolization (Chapter 2)
Week 3	Sentential logic: semantics (Chapter 3)
Weeks 4-5	Sentential logic: proofs (Chapter 4)
Week 6	First-order logic – monadic predicate logic: symbolization (Chapter 5)
Week 7	First-order logic – monadic predicate logic: semantics (Chapter 6)
Week 8	First-order logic – monadic predicate logic: proofs (Chapter 6)
Week 9	First-order logic – polyadic predicate logic with identity: symbolization (Chapter 7)
Week 10	First-order logic – polyadic predicate logic with identity: semantics, proofs (Chapter 8)