

Syllabus
PHIL 3200 (3 Cr.)
Deductive Logic
Spring 2018

Instructor: Dr. Kristopher G. Phillips
Office: 108F General Classrooms
Office Hours: MW 4:00p-5:00p, T 9:00a-12:00p & also by appointment

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Class Meets:
MWF 3:00p-3:50p in GC 405

COURSE DESCRIPTION: This course focuses on first-order symbolic logic and its application to natural languages, truth functions and quantification.

Prerequisite: PHIL 1250

Course Learning Outcomes:

- **Critical Thinking:** The successful student will begin to be able to differentiate between good and bad reasons for holding philosophical beliefs and will be able to seek out and identify the assumptions that lie at the basis of philosophical positions.
- **Inquiry and Analysis:** The successful student will begin to be able to break complex philosophical problems into their components, and will be able to identify the consequences and implications of philosophical positions.

Evaluation of these learning outcomes will be done through in-class exams, in-class assignments and homework.

TEXT: *The Logic Book*, 5th edition (ISBN: 978-0-07-353563-0) by Merrie Bergmann, James Moor, and Jack Nelson, McGraw Hill Publishing is *Required*.

SCHEDULE:

This list of readings is tentative. Specific assignments will be given on a day-to-day basis.

Weeks 1-5 **Review and Sentential Logic**

Chapters 1-3: Review of syntax and semantics of Sentential Logic
Chapter 4: Truth Trees
Chapter 5: Derivations
[Exam 1]

Weeks 6-12 **Predicate Logic: Syntax and Semantics**

Chapter 7: Symbolization and Syntax
Chapter 8: Semantics
[Exam 2]

Weeks 13-15 **Predicate Logic Continued and Metatheory**

Chapter 10: Derivations
Chapter 6: Metatheory
[Final Exam: Monday, April 30, 3-4:50p]

ASSIGNMENTS, EVALUATION, POLICY:

Three Exams (45%; 15% for each exam): Exams will be in-class. Please bring a bluebook and be prepared to knock out some logic assignments.

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20 Homework Assignments (55%; 2.75% for each) Logic is a difficult discipline to master. It is, in many ways, akin to chess. Learning how the pieces move is easy enough. The difficult part comes in developing strategies for deploying those moves and knowing when they're best used. The way we get better at this is through repetition, practice, and failure. To that end, I will encourage you to do the homework every night. I will ask that you complete 20 assignments at home. I will provide you with an answer key so that you can check your answers and see where you have gone right/wrong. As such, I will not be grading the homework as such – i.e. it's a credit/no-credit situation. If you try to game the system, however, by simply copying the answers you will quickly find that the exams crush you. It is in your best interest to *do* the homework and check your answers rather than copy the answers.

Late Work: I will not accept any late homework.

Extra Credit and Final Grades: I will *not*, under any circumstances, offer extra credit. If you are concerned about your grade, consider taking advantage of the help available (e.g. come to my office hours, or work with your peers on the homework). Please do so before the end of the semester. With regard to final grades, as I stated above, you will get the grade you have earned. Asking me to bump, round up, or otherwise adjust your final grade will guarantee that I will NOT adjust your final grade. Please do not ask.

Plagiarism or academic fraud of any sort will result in an F for the course. Academic dishonesty is a serious matter. Please familiarize yourself with Southern Utah University's *Student Handbook*, which you can find online at <https://www.suu.edu/pub/policies/pdf/PP633Academic.pdf>. I will follow the regulations described in this document for dealing with cheating, plagiarism, etc. If you have any questions regarding what constitutes plagiarism or academic fraud after reading through the student handbook, please do not hesitate to ask me for further clarification.

Classroom Conduct: The classroom constitutes a community of which we are each an important part. The very foundation of philosophy as a discipline is the ability to charitably listen, understand and represent the views of ourselves and others. As such, respect for your fellow student, your instructor, and the course is of critical importance. We can, should, and will disagree with one another often, but this *MUST* be conducted with respect. As such threatening behavior, offensive language (including "hate speech") will not be tolerated.

Attendance: I do not have a formal attendance policy, but philosophy is hard even if you come to class. If you miss an exam for a good reason (to be determined by me), I'm happy to arrange for you to make it up within a reasonable time period.

Disabilities: I warmly welcome any of you who have disabilities. Students with medical, psychological, learning or other disabilities desiring academic adjustments, accommodations, or auxiliary aids must contact the Office for Students with Disabilities. The Office for Students with Disabilities determines eligibility for and authorizes the provision of these services and aids. Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines. For Southern Utah University's full policy, see: <http://suu.edu/pub/policies/pdf/PP119Disability.pdf>.

SUU Care and Support Team: The SUU Care and Support Team (CAST) is comprised of trained faculty and staff who are committed to creating an environment at SUU that supports students who may be struggling with emotional distress and mental health issues. As a member of CAST, please know that I am here to help. I am not a professional counselor, but I do care, know how and where to find help if you need it, and want to see you succeed. Please do not be afraid to visit me if you're struggling.
<http://www.suu.edu/cast/>

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SUU Allies on Campus: Allies On Campus is a network comprised of students, staff, and faculty dedicated to creating safe spaces for Lesbian, Gay, Bi-sexual, Transgender, Queer individuals and Allies (LGBTQA) on the campus of Southern Utah University (SUU). As an ally, please know that I am committed to seeing that everyone is afforded the dignity and respect they deserve regardless of their identity.

<http://www.suu.edu/allies/>

Link: SUU faculty and staff care about the success of our students. In addition to your professor, numerous services are available to assist you with the achievement of your educational goals. I may use SUU's Link system to notify you and/or your advisors of my concern for your progress and provide references to campus services as appropriate.

Emergency Management: In case of emergency, the University's Emergency Notification System (ENS) will be activated. Students are encouraged to maintain updated contact information using the link on the homepage of the mySUU portal. In addition, students are encouraged to familiarize themselves with the Emergency Response Protocols posted in each classroom. Detailed information about the University's emergency management plan can be found at <http://suu.edu/emergency>.

HEOA Compliance: The sharing of copyrighted material through peer-to-peer (P2P) file sharing, except as provided under U.S. copyright law, is prohibited by law.

Disclaimer: Information contained in this syllabus, other than the grading, late assignments, makeup work, and attendance policies are subject to change, with advance notice, as I deem appropriate.