

Philosophy 200: Introduction to Logic, 3 Credits

South Dakota State University

Spring 2018

Time: 2-2:50PM MWF

Location: Avera Health & Science Center 282

INSTRUCTOR INFORMATION:

Dr. Greg Peterson, Professor of Philosophy & Religion

Office: West Hall 214

Office Hours: MW: 330-5PM, or by appointment

Email: greg.peterson@sdstate.edu

NOTE: If you have a question outside of class, it is best to speak to me after class or during office hours. Otherwise, email is the best means of contacting me. Under normal circumstances I will respond within 24-48 hours.

DESCRIPTION:

Introduces the formal study of argumentation, including forms of logic, inductive and deductive reasoning, proofs, refutations, and fallacies.

PREREQUISITES:

Students should be prepared to read, write, communicate, and think at an introductory college level. No prior classes are required. It is advantageous, however, to have some prior familiarity with mathematics or computer science. The study of logic can be rigorous and challenging. Be prepared to work hard and *don't be afraid to ask for help!*

INSTRUCTIONAL METHODS:

The bulk of the class is lecture-oriented. Students are expected to show up on time, to have completed any readings and assignments prior to coming to class, to listen attentively and take detailed notes. Students are encouraged to ask questions during lecture that pertain to the material.

On some days there will be logic labs. These will consist of group-oriented activities devoted to problem solving. Students are expected to be in attendance on these days and to be prepared to apply the course material in an independent group setting.

REQUIRED TEXTS:

Hurley, Patrick J. 2014. *A Concise Introduction to Logic*, twelfth edition. Wadsworth Publishing.

Lecture Notes and updates are available on Desire To Learn (D2L)

ATTENDANCE POLICY:

It is expected that students show up for all class periods. If you anticipate missing a class, you should notify the instructor beforehand. Students are solely responsible for finding out what they may have missed in class and for making up any missed assignments.

CHEATING AND PLAGIARISM POLICY:

Cheating and plagiarism are defined as follows in the student code:

- A. Cheating.
 - 1. Unauthorized assistance in taking quizzes, tests, or examinations.
 - 2. The use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or
 - 3. The acquisition of tests or other academic material, belonging to a member of the institutional faculty or staff, without that individual's permission.
- B. Plagiarism.
 - 1. The use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment consistent with accepted practices of discipline.
 - 2. The unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Penalties: If a student is caught cheating or plagiarizing an assignment or test, the student will receive no credit for that assignment or test whatsoever and will receive an additional point penalty by the instructor according to the severity of the infraction. In addition, if the case is obvious and severe, the student will be reported to the dean for further appropriate discipline.

Key Deadlines

January 8, Monday Start Date/Instruction Begins
January 15, MondayMartin Luther King Day Holiday
January 17, Wednesday.....Last day to drop or add and adjust final fees January
18, Thursday "W" grade begins
January 26, Friday.....Last day to submit a graduation application for Spring 2018
February 19, MondayPresidents' Day Holiday
March 5-9, Monday - Friday Spring Break
March 12, MondayFirst half Spring Term ends
March 15, ThursdayDeficiency reports due on WebAdvisor by midnight
March 30-April 1, Friday - SundayEaster Recess
April 3, Tuesday.....Last day to drop a course
April 30-May 4**, Monday - Friday..... Final exams
May 5, SaturdayCommencement

General Course Outcomes

Learning Outcome	Instructional Activity	Assessment of Outcomes
To understand basic informal and formal principles of argumentation, both deductive and inductive, and to use these to analyze formal and informal arguments	Students will participate in lectures, reading, and group problem solving to develop skills of logical analysis	Exams, Quizzes, and Logic Labs
To apply principles of logic to real-world instances of argumentation	Students will examine arguments from everyday life and analyze for soundness and validity or cogency and strength	Exams, Quizzes, Logic Labs,

System Graduation Requirements Course Outcomes (Meets SGR 4)

- 1. Demonstrate knowledge of the diversity of values, beliefs, and ideas embodied in the human experience;*
- 2. Identify and explain basic concepts of the selected disciplines within the arts and humanities;*
- 3. Identify and explain the contributions of other cultures from the perspective of the selected disciplines within the arts and humanities;*
- 4. Demonstrate creative and aesthetic understanding;*
- 5. Explain and interpret formal and stylistic elements of the literary or fine arts;*
- 6. Demonstrate foundational competency in reading, writing, and speaking a non-English language.*

Learning Outcome	Instructional Activity	Assessment of Outcomes
1. (SGR Outcome 1) Demonstrate knowledge of the diversity of values, beliefs, and ideas embodied in the human experience;	To meet outcome 1, students will learn to use principles of logical analysis to analyze arguments concerning basic beliefs and values embodied in human experience; students will also be able to identify values embedded in logical frameworks	Exams, Logic Labs
2. (SGR Outcome 2) Identify and explain basic concepts of the selected disciplines within the arts and humanities;	To meet outcome 2, students will identify and use basic principles of logic and argumentation as employed in the discipline of philosophy, including demonstration of ability to identify valid and invalid argument forms and to construct simple formal proofs	Quizzes, Exams, Logic Labs
3. (SGR Outcome 3) Identify and explain the contributions of other cultures from the perspective of the selected disciplines within the arts and humanities;	To meet outcome 3, students will be able to identify sources and famous thinkers in the study of logic from other cultures, such as from Europe and South Asia	Exam 1, quizzes in first unit
4. (SGR Outcome 4) Demonstrate creative and aesthetic understanding;	To meet outcome 4, students will demonstrate creative understanding in the construction of proofs and in the analysis and interpretation of arguments	Exams, Logic Labs

Freedom in Learning Statement

Freedom in learning. Students are responsible for learning the content of any course of study in which they are enrolled. Under Board of Regents and University policy, student academic performance shall be evaluated solely on an academic basis and students should be free to take reasoned exception to the data or views offered in any course of study. Students who believe that an academic evaluation is unrelated to academic standards but is related instead to judgment of their personal opinion or conduct should first contact the instructor of the course. If the student remains unsatisfied, the student may contact the department head and/or dean of the college which offers the class to initiate a review of the evaluation.

EVALUATION PROCEDURES:

10 LOGIC LABS @ 10 POINTS EACH: On assigned days, students will work in small groups to do "logic labs." Students will work together to solve logic problems. Grade will be based on the group assignment turned in.

10 QUIZZES @ 5 POINTS EACH: Along with the logic labs, quizzes provide a short assessment of individual student progress. Quizzes will typically vary from two to four questions and will be given at the beginning of class. It is therefore important to be on time for class, as students who are excessively late will receive a late penalty.

Logic Lab & Quiz Make-up Policy: If a student has an excused absence for more than quiz and lab assignment may be made up individually within one week of the original assignment.

1 MID-TERM EXAM @ 100 POINTS EACH: Format will vary from exam to exam.

Exam Make-up Policy: Students with unexcused absences will have a grade penalty if made up within the next week. Students with excused absences must make up the exam within the next week.

1 FINAL EXAM @ 100 POINTS: Roughly two-thirds of the final will cover the last unit of the course. Roughly one-third of the final will be comprehensive.

Final Exam Make-up Policy: The final cannot be made up.

EXCUSED ABSENCE POLICY:

General: If a student misses an exam or lab, points can only be made up if the student has an **excused absence**. To be considered an excused absence, the student must contact the professor, either by phone or email, prior to the time of the exam or lab. The reason for the excused absence must also be approved by the professor, preferably well ahead of time if possible. Typical cases of excused absences include:

1. College approved athletics or event with proper documentation provided prior to the event.
2. Illness with documentation from a doctor or qualified health professional
3. Legal proceedings with documentation
4. Family emergency (normally death or illness in the family) with documentation if possible (preferably from a parent or guardian)

The following **do not** count as excused absences: hunting trips, vacations (family or otherwise), attendance at sporting events you are not playing in (even if you have tickets).

Job-related absences are handled on a case by case basis. While unexpected events may occur, it is expected that arrangements have been made with the employer prior to signing up for the class.

GRADING POLICY:

Grades are determined on a straight percentage:

315-350 points	90-100%	A
280-314	80-89%	B
245-279	70-79%	C
210-244	60-69%	D
0-209	0-59%	F

ADA STATEMENT:

South Dakota State University is committed to providing equal access to University programs and services for all students. Under University policy and federal and state laws, students with documented disabilities are entitled to reasonable accommodations to ensure the student has an equal opportunity to perform in class. If any member of the class has such a disability and needs special academic accommodations, please notify me and make the appropriate arrangements with the Office of Disabilities Services. The ODS is located in Room 145 of Binnewies Hall. To schedule an appointment call (605) 688-4504 and request to speak with Nancy Hartenhoff-Crooks, the Coordinator of Disability Services. Reasonable accommodations may be arranged after the Office of Disabilities Services has verified your situation. Do not hesitate to contact me if any assistance is needed in this process. sdsu.testing@sdstate.edu

Mental Health Services

Got something on your mind? Need a little extra support? We know adjusting to university life can be stressful. Meeting new people, figuring out where you fit in, wondering how you'll manage everything all at once... it's overwhelming.

You'll be relieved to know that SDSU also provides personal and confidential assistance on campus through Counseling Services as no charge to the student. Whether you dealt with emotional difficulties before coming here to SDSU or they have started to affect your studies now, we are here to provide support.

<https://www.sdstate.edu/wellness-center/counseling-services>

Course Calendar
(Note: Subject to change as course progresses)

M 1/8
W 1/10
F 1/12

M 1/15: **Holiday: Martin Luther King Day**
W 1/17
F 1/19: **Logic Lab 1**

M 1/22
W 1/24
F 1/26: **Logic Lab 2**

M 1/29
W 1/31
F 2/2: **Logic Lab 3**

M 2/5
W 2/7
F 2/9: **Logic Lab 4**

M 2/12
W 2/14
F 2/16: **Logic Lab 5**

M 2/19: **Holiday: President's Day**
W 2/21
F 2/23:

M 2/26
W 2/28
F 3/2: **Exam 1**

3/5-3/9: Spring Break

M 3/12
W 3/14
F 3/16: **Logic Lab 6**

M 3/19
W 3/21
F 3/23: **Logic Lab 7**

M 3/26
W 3/28
F 3/30: **Holiday: Easter Recess**

M 4/2
W 4/4
F 4/6: **Logic Lab 8**

M 4/9
W 4/11

F 4/13: **Logic Lab 9**

M 4/16

W 4/18

F 4/20: **Logic Lab 10**

M 4/23

W 4/25

F 4/27

1:45-3:45 W 5/2: Final Exam