Course Description:
In this course, we will examine the processes and practices of inquiry and argumentation by considering the logic that underlies them. In the first part of the course, we will consider the phenomenology of inquiry, the structure of arguments, the role of guesswork (abduction), and the practices of communicative action. In the second part, we will study the basics of Aristotelian logic and the role and practice of induction. In the final section, we will consider the idea of ordered systems and formal logic and will conclude with a discussion of the role of agency in logic and its implications for a normative theory of argumentation and what it means to be rational.

Required Text:
Scott Pratt, Logic: Inquiry, Argument, and Order.
The text is available at the Duckstore. Additional material will be available on Blackboard, and has been compiled by Dr. Pratt while developing the textbook at the University of Oregon.

Course Structure, Requirements, and Policies:
Participation:
Lectures will presuppose familiarity with the text. Coming prepared to discuss the assigned text and participating in class and section discussions are requirements.

Attendance:
You are expected to attend class regularly and promptly. More than 2 absences in lecture and 3 absences in section will result in a failing final grade, unless proof of illness or emergency is provided.

Assignments:
~Problem sets (8):
These will be distributed and discussed in class each week. Completed problem sets to be graded are due on Monday of the following week.

~Exams (2):
These will contain problems similar in kind and number to those in the weekly assignments.

~Paper (1):
This paper (3 pages in length) will discuss the problems of logic. Paper prompts will be posted on Blackboard.
Grading:
Class Participation 15%
Problem Sets (8) 40% (5 per)
Exams (2) 30% (15 per)
Essay (1) 15%

Plagiarism:
Group work is encouraged. However, we expect that the work that you hand in is your own. For more information about plagiarism: http://www.libweb.uoregon.edu/guides/plagiarism/students/. Plagiarism is grounds for failing the course.

Accommodation for a Disability:
If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with us soon.

Classroom Etiquette:
Please turn off cell phones for the duration of the class. Facebook, Twitter, texting, etc. are not permitted. You may be asked to leave the classroom and will be considered absent if engaging in these activities.

Schedule of Readings and Assignments:

Wk. 1 Chapter 1: The Significance of Logic
Mon., Sept. 26 Introduction to the course and syllabus
Tues., Sept. 27 The Problems of Logic (pg. 1-15)
Wed., Sept. 28 Premises and Conclusions (pg. 19-29)
Thurs., Sept. 29 Problem Set 1

Wk. 2 Chapter 2: What is Logic?
Mon., Oct. 2 The Study of Logic: The Concepts of Truth and Inference (pg. 31-40)
Tues., Oct. 3 The Process of Inquiry (pg. 40-60)
Thurs., Oct 5 Problem Set 2

Wk. 3 Chapter 3: What is Logic
Mon., Oct.10 Strategic and Communicative Action (pg. 61-71)
Tues., Oct.11 Validity (pg. 72-75)
Wed., Oct.12 Fallacies (pg. 75-85)
Thurs., Oct.13 Problem Set 3

Wk. 4 Chapter 4: Theory of the Syllogism
Mon., Oct.17 Nominalism, Realism and Abduction (pg. 91-97)
Tues., Oct.18 Standard Form Propositions (pg. 97-106)
Wed., Oct.19 Direct Inference (pg. 106-111)
Thurs., Oct. 20 Problem Set 4
Wk. 5  Chapters 4 & 5
Mon., Oct.24  The Validity of Syllogisms (pg. 112-120)
Tues. Oct.25  Limits of the Syllogism (pg. 123-129)
Wed., Oct.26  Review
Thurs., Oct. 27  Mid-term Exam (In-class)

Wk. 6  Chapter 6: Principles of Order and Deduction
Mon., Oct. 31  Introduction (pg. 165-178)
Tues. Nov. 1  Deduction: The Logic of Assertions (pg. 178-190)
Wed., Nov. 2  Deduction Cont.
Thurs., Nov.3  Problem Set 5

Wk. 7  Chapter 6: Principles of Order and Deduction
Mon., Nov.7  Graphical Proofs of Validity (pg. 190-194)
Tues. Nov.8  Graphical Proofs of Validity Cont.
Wed., Nov.9  Review
Thurs., Nov.10 Problem Set 6

Wk. 8  Chapter 7: An Overview of Quantified Logic
Mon., Nov.14 Representing Relations (pg. 197-205)
Tues., Nov.15 The Meaning of Quantifiers (pg. 205-208)
Wed., Nov.16 Rules of Quantificational Logic (208-210)
Thurs., Nov.17 Problem Set 7

Wk. 9  Chapter 7
Mon., Nov. 21  The Validity of Syllogisms (pg. 211-214)
Tues., Nov.22 Graphical Proofs of Validity (pg. 214-217)
Wed., Nov.23 Border Agents and the Problems (pg. 218)
Thurs., Nov. 24  Problem Set 8

Wk. 10  Conclusion and Week of Review
Mon., Nov. 28  Conclusion and Review
Tues., Nov. 29  Conclusion and Review
Wed., Nov. 30  Conclusion and Review
Thurs. Dec. 1  Final Exam (In-Class)

Wk. 11  Final Paper due on Wed., Dec. 7 by 4 pm on Canvas