**Phil 3420 – Symbolic Logic**

Dr. Patrick Yarnell

Office: COB 4058

Email: pyarnell@uccs.edu

Office Hours: M & W: 11:00 – 12:00 (and by appointment)

Department Website: [http:web.uccs.edu/philosophy](http://web.uccs.edu/philosophy)

Time: M&W, 12:15 – 1:30

Place: Centennial Hall, 275

Drop Date: April 5th

Final Exam: ***Wed, May 15th, 10:20***

Text: Bergman, Moor, & Nelson, ***The Logic Book***, 6th edition

**Course Description**: Our aims include the following – to deepen our theoretical and practical grasp of important logical notions, like validity, soundness, consistency, equivalence, and entailment; to sharpen our awareness of complexities of the English language; and to gain an understanding of why some arguments are good and some fail.

**Assignments**: Course grades will be determined by the student's performance on five comprehensive quizzes (20% each).

**Cheating**: Students caught cheating will receive an F on that particular assignment. A second such incident will result in failing the course.

**Cell Phones**: It’s important that we’re engaged in the material. Please put the cell phones away.

**Make-Up Exams**: Make-ups are allowed only when the following conditions are met – The student has a legitimate excuse for missing the exam, and the student informs me prior to the scheduled exam that he will be absent. Failure to meet these requirements will result in an F for the missed quiz.

**Special Needs**: Students with disabilities are encouraged to contact the Disabilities Services Office within the first week of class.

**Tentative Schedule**

(Assignments are subject to change depending on our progress.)

Wk 1 Informal Logic 1.1 – 1.3

Wk 2 Informal Logic 1.1 – 1.3

Wk 3 Sentential Logic: Symbolization & Syntax 2.1 – 2.3

Wk 4 Sentential Logic: Symbolization & Syntax 2.1 – 2.3

Wk 5 Sentential Logic: Semantics 3.1 – 3.5

Wk 6 Sentential Logic: Semantics 3.1 – 3.5

Wk 7 Sentential Logic: Derivations 5.1 – 5.3

Wk 8 Sentential Logic: Derivations 5.1 – 5.3

Wk 9 Sentential Logic: Derivations 5.1 – 5.3

Wk 10 Sentential Logic: SD+ Derivations 5.4

Wk 11 Sentential Logic: SD+ Derivations 5.4

Wk 12 Predicate Logic: Symbolization & Syntax 7.1 – 7.3

Wk 13 Predicate Logic: Symbolization & Syntax 7.1 – 7.3

Wk 14 Predicate Logic: Derivations 10.1 – 10.2

Wk 15 Predicate Logic: Derivations 10.1 – 10.2

Wk 16 Predicate Logic: Derivations 10.1 – 10.3