Professor: Dr. Poston, Humanities 124, [mylastname]@southalabama.edu

Office Hours: Tuesday & Thursday, Times: TBA


Course Description: In this course we will learn first-order relational predicate logic with identity. This is a very powerful tool for symbolizing claims and arguments as well as for studying the logical relations of entailment and consistency. We will also think about some of the properties of first-order relational predicate logic such as soundness and completeness.

In General: The instructor reserves the right to modify the contents of this syllabus at any time. Most importantly, students are responsible for being aware of the requirements and expectations noted in this syllabus, and for any changes to this syllabus that might arise.

Disabilities: Please notify me should you need any academic accommodation. You also need to provide certification from Disability Services (Office of Special Students Services, located in Room 270 of the Student Center, 251-460-7212).

Academic dishonesty: Academic dishonesty on your part will suffice for failure of this course. For details on what is expected (and not expected) of you in terms of academic conduct, please see the Student Academic Conduct Policy authorized by the University of South Alabama at the following website: www.usouthal.edu/academicaffairs/studentacadconduct.pdf

Electronic devices: Recent scientific studies indicate that laptops and cell phones negatively affect both the users themselves and also the students around them in the classroom. From experience, they disrupt the classroom atmosphere and my teaching. Hence, no laptops are allowed. No phones (and related devices) should be used; don’t even have them out. Having them out is grounds for my asking you to leave from class or assigning a 5 or 0 for attendance grade. Moreover, individuals who by their actions disrupt the class will be asked to leave.

Grade Policy: Your final grade will be calculated as follows: 20% participation, 35% homework, and 45% exams. The grade scale is as follows: A: $100 \geq 90$; B: $89 \geq 80$; C: $79 \geq 70$; D: $69 \geq 60$; F: otherwise.

Attendance: Attendance is required. Each day you will receive an attendance score recorded on the online gradebook. 10 for full participation, 5 for being late, and 0 otherwise. I will drop the lowest attendance score.
**Homework:** I will assign weekly homework assignments.

**Exams:** There will be three exams, each worth 15% of your grade. Collectively, exams are 45% of your grade.

**Extra Help:** Do not hesitate to come to my office or email me to discuss any aspect of the course.

**Important Dates:**

- Add & Deadline ......................... August 20
- Labor day ................................. September 1
- Exam 1 .................................. September 25
- Fall Break ................................. October 6 & 7
- Last day to drop ......................... October 24
- Exam 2 ................................. November 6
- Thanksgiving holidays ................. November 26-30
- Last Day of Class ......................... December 4
- Final Exam (1 - 3pm) ............. December 9

**Course Schedule:**

1. Propositional Logic
   - (a) Chapter 1 Propositions & Arguments (Tuesday, August 19)
   - (b) Chapter 2 The Language of Propositional Logic (Thursday, August 21)
   - (c) Chapter 3 Semantics of Propositional Logic (Tuesday, August 26)
   - (d) Chapter 3 Semantics of Propositional Logic (Thursday, August 28)
   - (e) Chapter 4 Uses of Truth Tables (Tuesday, September 2)
   - (f) Chapter 5 Logical Form (Thursday, September 4)
   - (g) Chapter 6 Connectives: Translation and Adequacy (Tuesday, September 9)
   - (h) Chapter 6 Connectives: Translation and Adequacy (Thursday, September 11)
   - (i) Chapter 7 Trees for Propositional Logic (Tuesday, September 16)
   - (j) Review (Thursday, September 18)
   - (k) Review (Tuesday, September 23)
   - (l) **Exam 1** (Thursday, September 25)

2. Predicate Logic
   - (a) Chapter 8 The Language of Monadic Predicate Logic (Tuesday, September 30)
   - (b) Chapter 8 The Language of Monadic Predicate Logic (Thursday, October 2)
   - (c) Chapter 8 The Language of Monadic Predicate Logic (Tuesday, October 7)
   - (d) Chapter 9 Semantics of Monadic Predicate Logic (Thursday, October 9)
   - (e) Chapter 9 Semantics of Monadic Predicate Logic (Tuesday, October 14)
3. General Predicate Logic & Metatheory

(a) Chapter 12 General Predicate Logic (Tuesday, November 11)
(b) Chapter 12 General Predicate Logic (Thursday, November 13)
(c) Chapter 12 General Predicate Logic (Tuesday, November 18)
(d) Chapter 13 Identity (Thursday, November 20)
(e) Chapter 13 Identity (Tuesday, November 25)
(f) Chapter 13 Identity (Tuesday, December 2)
(g) Chapter 14 Metatheory (Thursday, December 4)
(h) Exam 3 1-3pm (Tuesday, December 9)