

## **MATH 10130 – Beginning Logic**

**Time:** MWF 11:35–12:45am, 208 DeBartolo Hall

**Instructor:** Vincent Guingona, [guingona.1@nd.edu](mailto:guingona.1@nd.edu)

**Office:** 120 Hayes-Healy Center

**Office hours:** Monday, 3 - 4pm and Wednesday, 2 - 2:20pm in 120 HH.

However, feel free to email me if you would like to set up an appointment to meet at a different time.

**Webpage:** <http://www.nd.edu/~vgingon/fall13/>

**Textbook:** Course notes are available on Sakai and the class website.

### **Course objectives:**

The goal of this course is to gain an understanding of formal deductive arguments and of why we should be interested in such things. An argument has a set of assumptions, or premises, and a conclusion; we say that an argument is valid if anyone who believes the premises must also believe the conclusion. We will learn how to prove, formally, that an argument is valid, as well as how to show when an argument is not valid.

### **Grading:**

There will be three midterms worth 100 points each, as well as a final exam worth 150 points. Homework will be worth a total of 100 points. Your final grade for the course will be based on your total score, out of 550 points.

### **Exams:**

The three midterms will take place during our regular class time on the following dates:

- Midterm 1: 27 September, in class
- Midterm 2: 1 November, in class
- Midterm 3: 22 November, in class
- Final: 18 December, 4:15 - 6:15pm

The location for the final will be determined later. Please take note of these dates and ensure that you can attend all of the exams. If you have a conflict with any of them, you should let me know as soon as possible. Any student missing an exam without a valid excuse will receive zero points for that exam.

### **Homework:**

Homework assignments will be completed in small groups. A group should have at least 3 and at most 5 members. For each assignment, each group will hand in one paper, signed by all students who participated. Homework assignments must be turned in either to my office or to my department mailbox. Solutions to the homeworks will be posted on Sakai, so late homeworks will not be accepted. The assignments will be posted on the course webpage and will usually be due on Tuesdays by 5pm.

**Attendance:**

Attendance is mandatory, and excessive unexcused absences can result in a failing grade.

**Honor Code:**

Under the Notre Dame Honor Code, all students pledge not to “participate in or tolerate academic dishonesty”. In this course, exams and quizzes are closed-book, and must be done without help from anyone else. Although homework assignments are done collaboratively, no student should claim credit for any work in which they did not participate, and groups must properly cite any outside sources used in completing the assignment. If you have any questions or concerns about how the Honor Code pertains to this course, please speak to me.