

COURSE INFORMATION Location: LIB 203
 Class Times: MWF 8:00-8:50
 Instructor: Dr. Karl Frinkle
 Office: MTH 112
 Office Hours: MWF 10:00-10:50, 13:00-13:50, or by appt.
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TEXT *Introduction to Logic and to the Methodology of Deductive Sciences*,
(new revised edition, see *pdf* link on website)

COURSE OVERVIEW In this course, we will cover such topics as the elements of logic, sentential calculus, theory of relations and the deductive method as well as applications of logic to constructing mathematical theories.

COURSE WORK We will cover most, if not all, of chapters 1–9. For each reading assignment, a hand-written summary is to be made. Material to be read will be discussed as a group in the classroom in an attempt to understand the concepts. After discussion, you are to apply these concepts to solve problems assigned from the text. Homework will be assigned and handed in on a weekly basis. There will be two exams – a midterm and a final. The midterm will be in-class, and the final will be a two week take-home exam.

COURSE GOALS The book we will be using is a classic treatise on the field of logic by one of the founders of modern logic. As such, it may not be the easiest read. One of the major goals of this course is to have you, the student, learn to read and fully interpret this text.

Upon successful completion of this course (reading this book, digesting lectures, working through homework problems), it is hoped that you will have acquired the ability to form logical arguments, interpret logical arguments, and derive conclusions correctly from assumptions and statements using the deductive method.

In this course, the rules and methodologies of logic will be applied to the foundations of mathematics, and will hopefully give you a greater appreciation for how much the field of mathematics, and the sciences in general, relies of logic.

GRADES Your final grade will be based upon the following items

- 15% - Reading Summaries - hand-written and to be handed in after each reading assignment
- 35% - Homework Assignments - taken from the problems in the text, assigned on a regular basis
- 25% - Midterm Exam - given in class
- 25% - Final Exam - cumulative take home exam covering all of the material from the semester

COURSE MODIFICATION I reserve the right to change any policies as I see fit to ensure that you are indeed receiving the best possible education that I can give you in the subject matter at hand. If I feel a certain aspect of the course does not appear to be effective in its method, I will attempt to change it (for the better I hope).

TECHNOLOGY	All cell phones and other such devices must be turned off and put away before class begins. If you are caught using a cell phone during class, your final grade will be dropped by one letter grade per incident .
CODE OF CONDUCT	It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor. The student handbook can be found at the following URL: http://www.se.edu/dept/student-life/files/handbooks/2015-2016-Student-Handbook.pdf
ACADEMIC CALENDAR	All important SE calendar dates can be found at the following URL: http://www.se.edu/dept/registrar/calendar/
COUNSELING CENTER	Any student experiencing mental or emotional issues who desires free, confidential, clinical counseling is encouraged to contact the SE Counseling Center at (580) 745-2988 to schedule an appointment during normal working hours Monday-Friday, 8:00AM to 5:00PM. For after-hours mental health emergencies, please call SE Campus Police at (580) 745-2911 or the Mental Health Crisis Hotline at 1-(800)522-1090.
DISABILITY ACCOMMODATIONS	Any student needing special accommodations due to a disability should contact the Office of Compliance and Safety, Administration Building, Suite 311 or call (580) 745-3090 (TDD# 745-2704). It is the responsibility of each student who anticipates or experiences barriers to their academic experience to make an official request for disability related accommodations in a timely manner.
EQUITY AND NON-DISCRIMINATION STATEMENT	Southeastern Oklahoma State University, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, sexual orientation, gender identity, or status as a veteran in any of its policies, practices, procedures, or programs. This includes, but is not limited to: admissions, employment, financial aid, and educational services. Inquiries regarding non-discrimination and equity policies may be directed to: Michael Davis, Director of Compliance and Safety & Title IX Coordinator, (580) 745-3090, or mdavis@se.edu .