

College of Marine Sciences & Maritime Studies

Department of Maritime Studies



PHIL 240 Syllabus

Section 500 (32078)

Introduction to Logic

Spring 2026 - Galveston

Course Information

Meeting Times: Meeting Type: LEC

Meeting Days: MWF

Start Time: 12:40PM

End Time: 1:30PM

Start Date: 01/12/2026

End Date: 05/05/2026

Meeting Location: KIRK 207

Credit Hours: 3

Instructor Details

Andre De Avillez

Email: adeavillez@tamu.edu

Office: CLB 105A

Phone: (409) 741-4394

Office Hours

Monday: 3 - 4 pm

Tuesday: by appointment only

Wednesday: 3 - 4 pm

Thursday: by appointment only

Friday: 3 - 4 pm

Catalog Description

(PHIL 2303) Introduction to Logic. (3-0). Credit 3. Introduction to formal methods of deductive and inductive logic including, but not limited to, truth-tables, formal deduction and probability theory; also taught at Galveston campus.

Special Course Designation

KMTH - Core Mathematics

Course Learning Outcomes

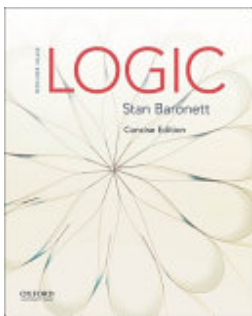
Core Objectives (specified by the University)

- Critical Thinking: creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. [Homework, Workshops, Exams]
- Communication: effective development, interpretation and expression of ideas through written, oral and visual communication. [Homework, Workshops, Exams]
- Empirical & Quantitative Skills: manipulation and analysis of numerical data or observable facts resulting in informed conclusions. [Homework, Workshops, Exams]

Upon successful completion of this course, the student will be able to:

- Use and define basic logical concepts such as induction, deduction, validity, soundness, strength, cogency. etc. [Homework, Workshops, Exams]
- Identify arguments and their component parts. [Homework, Workshops, Exams]
- Translate arguments from ordinary English to formal languages (e.g. Categorical or Propositional Logic) [Homework, Workshops, Exams]
- Create and evaluate arguments in Categorical Logic, using rules and Venn Diagrams [Homework, Workshops, Exams]
- Create and evaluate arguments in Propositional Logic, using Truth Tables and Natural Deduction [Homework, Workshops, Exams]

Textbook and/or Resource Materials



Logic

ISBN: 9780197602713

Authors: Stan Baronett

Publication Date: 2021-10-01

Edition: 5th edition

This material is: Required

Notes:

You may find different versions of this book, including a Concise Edition and one focused on Formal Logic. Either of those versions will be acceptable, so long as they are the 5th edition

Grading Policy

The final grade for the course will be reported to the college based on the student's average grade, as follows:

A: 90-100%

B: 80-89%

C: 70-79%

D: 60-69%

F: 0-59%

Graded Assignments:

Attendance (10% of final grade):

Attendance will be taken at the start of each class day. Students who are present at the time attendance is taken will earn 100% credit for the day. Students who are less than 15 minutes late will earn 50% credit for the day. Absent students or students more than 15 minutes late will earn no credit. Students who have excused absences will earn a grade of "excused" for the day, which will not count towards their average attendance grade.

In-class assignments (10% of final grade):

Graded in-class assignments will be given both as scheduled (e.g. Workshops) and as unannounced "pop" assignments (such as pop-quizzes, group work, etc.).

Homework (40% of final grade):

Every class day that covers **new** material will be followed by a homework assignment **due at the start of the next class day**. The details of each homework will be communicated during class. Students who miss class without a valid excuse must reach out to their classmates (**not the instructor**) if they wish to get the assignment. **Note that if you miss class without a valid excuse, you are not entitled to know the homework assignment. Your classmates may or may not have the time or inclination to help you.**

Exams (40% of final grade):

At the end of each chapter (starting with chapter 5), students will have an exam covering the material for that chapter. All exams will be taken in class. **Students who are entitled to accommodations (such as extra time on exams) must reach out to the testing center and schedule a time to take their exam. They must also inform the**

instructor at least a week ahead of each scheduled exam. Note: the "final exam" will cover chapter 8.

Late Work Policy

Work submitted by a student as makeup work for an excused absence is not considered late work and is exempt from the late work policy ([Student Rule 7](#)).

Course Schedule

IIL 251 Course Schedule

Week 1:

Mon., Jan. 12: Syllabus, what is an argument

Tue., Jan. 14: Chapter 1.A, 1.B, 1.C, 1. D - Statements & Arguments, Explanations, Truth and Logic **Homework due next class day**

Wed. Jan 16: Chapter 1. E, 1.F, 1.G - Deductive and Inductive Arguments, Validity & Soundness; Length & Cogency **Homework due next class day**

Week 2:

Mon., Jan. 19: MLK NO CLASS

Tue., Jan. 21: 5.A, 5.B - Categorical Propositions; Quality, Quantity, Distribution **Homework due next class day**

Wed. Jan. 23: 5.C, 5.D - Existential Import, Modern Square of Opposition **Homework due next class day**

Week 3:

Mon., Jan. 26: 5.E - Conversion, Obversion, Contraposition (Modern Interpretation) **Homework due next class day**

Tue., Jan. 28: 5.F - The Square of Opposition and Venn Diagram (Traditional Interpretation) **Homework due next class day**

Wed., Jan 30: Workshop

Week 4:

Mon., Feb. 2: 5.G - Conversion, Obversion, Contraposition (Traditional Interpretation) **Homework due next class day**

Wed., Feb. 4: Workshop

Th., Feb 6: **Chapter 5 Exam**

Week 5:

Mon., Feb. 9: 6.A, 6.B - Standard Form Categorical Syllogisms, Mood & Figure **Homework due next class day**

Wed., Feb. 11: 6.C - Venn Diagrams from the Modern Interpretation **Homework due next class day**

Th., Feb 13: Workshop

Week 6:

Mon., Feb. 16: 6.D Rules & Fallacies from the Modern Interpretation **Homework due next class day**

Wed., Feb. 18: 6.E, 6.F Venn Diagrams, Rules and Fallacies, from the Traditional Interpretation **Homework due next class day**

Th. Feb 20: Workshop

Week 7:

Mon., Feb. 23: **Chapter 6 Exam**

Wed., Feb. 25: 7.A Logical Operators & Translations **Homework due next class day**

Th., Feb 27: 7.B Compound Statements **Homework due next class day**

Week 8:

Mon., Mar. 2: 7.C Truth Functions **Homework due next class day**

Wed., Mar. 4: 7.D Truth Tables **Homework due next class day**

Th., Mar 6: Workshop

Week 9: SPRING BREAK

Week 10:

Mon., Mar. 16: 7.E - Contingent & Non-Contingent Statements **Homework due next class day**

Wed., Mar. 18: 7.F - Logical Equivalence, Contradictory, Consistent, and Inconsistent Statements **Homework due next class day**

Th., Mar 20: Workshop

Week 11:

Mon., Mar. 23: 7.G Truth Tables for Arguments **Homework due next class day**

Wed., Mar. 25: 7.G continued

Thurs. Mar 27: Workshop

Week 12:

Fri., Mar. 30: 7.H - Indirect Truth Tables **Homework due next class day**

Sat., Apr. 1: 7.H cont.

Sun. Apr. 3: **Chapter 7 Exam**

Week 13: Natural Deduction

Fri., Apr. 6: 8.A. 8.B Implication Rules I **Homework due next class day**

Sat., Apr. 8: 8.C - Tactics and Strategy **Homework due next class day**

Sun., Apr. 10: Workshop

Week 14: Natural Deduction

Fri., Apr. 13: 8.D Implication Rules II **Homework due next class day**

Sat. Apr. 14: Last day to Q drop

Sat., Apr. 15: 8.D cont.

Sun., Apr. 17: Workshop

Week 15: Natural Deduction

Fri., Apr. 20: 8.E Replacement Rules I **Homework due next class day**

Sat., Apr. 22: 8.F Replacement Rules II **Homework due next class day**

Sun., Apr. 24: Workshop

Week 16: Review & Final

Fri., Apr. 27 - Review

Sat., Apr. 29 - Reading Day, NO CLASS

Final (Chapter 8) Exam: May 1st at 10am

AI Statement

With the emergence of artificial intelligence (AI) technologies, the ways in which we define our intellectual and creative processes continue to transform. AI generators have rapidly evolved from simple editing for grammatical errors and spelling mistakes (the old Grammarly, MS Word Spell Check) to sophisticated text production (the new

Grammarly, ChatGPT, Google Gemini, Microsoft Copilot, etc.), as well as image, computer code, and audio generation. The presence of such tools, however, does not replace our need to learn how to draft, revise, and reflect on texts, programs, drawings and how to exercise information literacy and personal responsibility in how we locate, evaluate, incorporate, and cite primary/ secondary sources. **Your goal in this course should be to develop and hone your abilities to think and understand. AI cannot help you do that. In fact, it will only get in your way.**

Furthermore, academic honesty is not just about original content, but also about original process. Therefore, **this class prohibits the use of AI text generators and natural language processing tools** (colloquially, chatbots - such as ChatGPT). **It also prohibits AI generation of audio, computer code, video, or images, unless explicit authorization is given ahead of time.** This requirement refers to every component of every assignment in this class, both procedural and final. While I do allow for spell-check, please note that spell checkers are increasingly sophisticated and will blur this line, at times under the guise of a “grammar check.” Your thinking and writing must be entirely your own.

Technology Support

Technology Services - Help Desk

E-mail: Helpdesk@tamug.edu

Phone: 409-740-4714

Location: Bldg 3007 (CLB), Rm 113

Hours: Monday - Friday 7:30am to 6:00pm

Canvas LMS Technical Support

Hours: 24/7/365

Phone: (877) 354-4821

Email: support@instructure.com

Support is available by clicking the Help button at the far left in the Canvas global navigation menu.

Canvas Resources are also linked on the home page of every Canvas course.

Learning Resources

On-campus learning resources to support students in achieving excellence are available through The Center for Academic Learning Support (tamug.edu/cals).

University Policies

This section outlines university-level policies as established by the TAMU Faculty Advisory Council.

University Attendance Policy

The university views class attendance and participation as an individual student responsibility. Students are expected to attend class and to complete all assignments.

Please refer to [Student Rule 7](#) in its entirety for information about excused absences, including definitions, and related documentation and timelines.

Attendance is mandatory. You should be **on time for** every class meeting, but if you are ever late please try not to disrupt the class as you find a place to sit. Attendance will be taken at random times during regular class meetings. Attendance will be recorded as follows:

- Student is present and on time - **present**
- Student arrives after attendance is taken (without a valid excuse), but is no more than 15 minutes late - **tardy**
- Student is more than 15 minutes late, not present, or leaves class early (without a valid excuse) - **absent**.

See the grading policy above to understand the role of attendance grades on your overall grade.

Makeup Work Policy

Students will be excused from attending class on the day of a graded activity or when attendance contributes to a student's grade, for the reasons stated in Student Rule 7, or other reason deemed appropriate by the instructor.

Please refer to [Student Rule 7](#) in its entirety for information about makeup work, including definitions, and related documentation and timelines.

Absences related to Title IX of the Education Amendments of 1972 may necessitate a period of more than 30 days for make-up work, and the timeframe for make-up work should be agreed upon by the student and instructor" ([Student Rule 7, Section 7.4.1](#)).

"The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence" ([Student Rule 7, Section 7.4.2](#)).

Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code. ([See Student Rule 24.](#))

Civil Rights, Free Speech, and Title IX Policies

Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit discrimination and harassment based on an individual's race, color, sex (including pregnancy and related conditions), religion, national origin, age, disability, genetic information, veteran status, or any other legally protected characteristic. This includes forms of sex-based violence, such as sexual assault, sexual harassment, sexual exploitation, dating/domestic violence, and stalking.

Students can report discrimination/harassment, access supportive resources, or learn more about their options for resolving complaints on the University's Civil Rights & Title IX webpage. Students should be aware that all university employees (except medical or mental health providers) are mandatory reporters, which means that if they observe, experience or become aware of an incident that they reasonably believe to be discrimination/harassment alleged to have been committed by or against a person who was a student or employee at the time of

the incident, the employee must report the incident to the university. Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit discrimination and harassment based on an individual's race, color, sex (including pregnancy and related conditions), religion, national origin, age, disability, genetic information, veteran status, or any other legally protected characteristic. This includes forms of sex-based violence, such as sexual assault, sexual harassment, sexual exploitation, dating/domestic violence, and stalking. Students can report discrimination/harassment, access supportive resources, or learn more about their options for resolving complaints on the [University's Civil Rights & Title IX webpage](#).

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Americans with Disabilities Act (ADA) Policy

Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact the Disability Resources office on your campus (resources listed below). Disabilities may include, but are not limited to, attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability-related needs with Disability Resources and their instructors as soon as possible.

To request academic accommodations, contact the designated ADA office based on your location:

- Texas A&M University, College of Nursing, College of Dentistry, Irma Lerma Rangel College of Pharmacy College Station, College of Medicine, School of Public Health, Institute of Biosciences and Technology, EnMed Program, Bush

School in Washington DC, Mays Business School – CityCentre, TAMU Engineering Academies, Texas A&M University Higher Education Center at McAllen and Texas A&M University at Galveston should contact Disability Resources at (979) 845-1637 or disability@tamu.edu.

If you are experiencing difficulties with your approved accommodations, contact the office responsible for approving your accommodations or the Texas A&M ADA Coordinator Julie Kuder at ADA.Coordinator@tamu.edu or (979) 458-8407.

Pregnancy Accommodations

Texas A&M provides reasonable accommodations to students due to pregnancy and/or related conditions, such as childbirth, recovery and lactation. Students should contact the University's Pregnancy Coordinator as soon as they become aware of the need for accommodation. Depending on the circumstances, accommodations could include extended time to complete assignments or exams, changes in course sequence, or modifications to the physical classroom environment. Texas A&M will also allow a voluntary leave of absence, ensure the availability of lactation space, and maintain grievance procedures to provide for the prompt and equitable resolution of complaints of sex discrimination. For information regarding pregnancy accommodations, email TIX.Pregnancy@tamu.edu.

Statement on the Family Educational Rights and Privacy Act (FERPA)

FERPA is a federal law designed to protect the privacy of educational records by limiting access to these records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings.

Currently enrolled students wishing to withhold any or all directory information items may do so by going to howdy.tamu.edu and clicking on the "Directory Hold Information" link in the Student Records channel on the MyRecord tab. The

complete [FERPA Notice to Students](#) and the student records policy is available on the Office of the Registrar webpage.

Items that can never be identified as public information are a student's social security number, citizenship, gender, grades, GPR, or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

Directory items include name, UIN, local address, permanent address, email address, local telephone number, permanent telephone number, dates of attendance, program of study (college, major, campus), classification, previous institutions attended, degrees, honors and awards received, participation in officially recognized activities and sports, medical residence location, and medical residence specialization.

Free Speech and Civil Discourse

Texas A&M recognizes that the pursuit of truth through open and robust discourse is critical to academic inquiry. However, as a community of scholars, the university has an aspirational expectation that such discourse will be conducted in accordance with Aggie Core Values. In this “marketplace of ideas,” we encourage civil dialogue creating an environment that allows individuals to express their ideas and to have their ideas challenged in respectful and responsible ways. Students can learn more about Freedom of Expression and Free Speech on our [website about the First Amendment](#).