

Math 2366: Introduction to Discrete Mathematics

2026 Spring Semester

Course Syllabus (01/12)

Course Description

Math 2366 introduces mathematical reasoning and several topics from discrete mathematics that underlie, inform, or elucidate the development, study, and practice of Information Systems and related fields. Topics include logic, sets, functions, relations, mathematical induction, recursion, and elementary counting principles.

Mode of Instruction

Math 2366 is scheduled as **in-person** instruction. Any exceptions will be announced on Carmen.

Textbook (*CarmenBooks*).

Math 2366 uses CarmenBooks to provide access to the textbook. Click the *CarmenBooks* link in the left navigation menu of CarmenCanvas to access the textbook.

[Discrete Mathematics with Applications](#), 5th edition, by Susanna S. Epp. Cengage. ISBN: 9781337694193

Instructor

Dr. Trent Ohl

ohl.14@osu.edu (Please mention "Math 2366" in the subject line of your email messages.)

Math Tower (MW) 405

Office hours will be posted on Carmen.

Federal Title IV Participation Roster

In compliance with Federal Title IV regulations, Ohio State must track whether a student begins attending or participating in class at the beginning of the semester.

Complete the survey entitled *Week 1 Participation Survey (Federal Title IV)* during Week 1 to indicate that you have participated in Math 2366 during Week 1. The survey is available on Carmen in Quizzes.

Grading Scale

93% A 90% A- 87% B+ 83% B 80% B- 77% C+ 73% C 70% C- 67% D+ 60% D

Grade Components

Grades will be computed based on three scored components: Homework, Midterm Exams, and the Final Exam. The tentative contribution of each component to the final grade is given in the table below. These numbers may change after the format of the exams has been set.

Homework	30%
Midterm Exams	40%
Final Exam	30%

Warning. **Canvas may display inflated and incorrect grades** until every grade has been entered at the end of the semester. In particular, it may not properly count missed items until the end of the semester.

Gradescope

Students will upload homework submissions to Gradescope. Homework will be scored and returned to students on Gradescope. Feedback is best viewed using a web browser on a PC/Mac.

When submitting homework, students must select each question and assign the appropriate pages of the submission to that question. **Failure to follow this policy will result in a score reduction.**

Instructions, video demonstrations, and documentation regarding Gradescope are available at the following website: [Gradescope Student Center](#).

Homework.

Homework assignments and due dates will be posted to Carmen. The lowest two homework scores will be dropped. Homework will be available on Carmen. Follow the instructions on Carmen to submit your completed homework.

You may collaborate with classmates; however, you must write and submit your own solutions. You may not use online services that provide partial or complete solutions. You may not use artificial intelligence.

Homework is due at 11:59pm on the dates listed on Carmen. However, homework submissions will be accepted on Carmen until 10:00am the next calendar day without penalty. Homework solutions will be posted 24 to 48 hours after the deadlines. Homework submissions will not be accepted after the solutions have been posted. Late submissions more than 10 hours late and less than 24 hours late may be submitted on Gradescope and are subject to a 20% score reduction.

Formatting and submission instructions are provided in Carmen. When submitting homework to Gradescope, students must select each question and assign the appropriate pages of the submission to that question.

Failure to follow the formatting and submission instructions will result in a score reduction.

Midterm Exams & Final Exam.

Exams are completed **in person**. Lists of covered sections and other details will be posted on Carmen. Check the calendar and Assignments for updates.

The exam dates and times are as follows:

Midterm Exam 1.	Monday, 2 March, in class.
Midterm Exam 2.	Wednesday, 15 April, in class.
Final Exam.	Friday, 1 May at 4:00-5:45pm in our lecture hall, Journalism Building 300. Contact the lecturer if you have a conflict with another exam.

The final exam is cumulative. **Do not make travel plans that conflict with the exams** (except for University-sponsored travel). **Exams cannot be taken early.**

Arrangements for make-up exams must be made in advance with the lecturer except for serious and documented situations. Documentation is required in most circumstances.

Studying.

Students are expected to read completely every section discussed in lecture. Reading the relevant sections in advance of lecture is strongly recommended. There will not be enough time during lectures to cover sections in their entirety, so textbook reading is essential.

In addition to completing homework assignments, students are expected to work through several problems in each covered section. The problems numbered in blue have solutions at the end of the textbook. Be sure to do any recommended problems.

Accommodations for Illness

Stay home and away from others if you are experiencing symptoms of a respiratory virus, including fever, chills, fatigue, cough, runny nose and headache. Refer to the [Safe and Healthy Buckeyes](#) website for guidance.

If you are ill and need to miss class, including if you are staying home and away from others while experiencing symptoms of viral infection or fever, please contact your instructors immediately to arrange appropriate accommodations. Documentation may be required.

In cases where illness interacts with an underlying medical condition, consult with Student Life Disability Services (SLDS) to request reasonable accommodations. Contact SLDS at slds@osu.edu; 614-292-3307; or slds.osu.edu.

If you have a special situations or you require specific, long-term, or other accommodation, contact your *lecture instructor* and seek support from appropriate University offices such as [Student Advocacy](#), [Student Life Disability Services](#), and the [Civil Rights Compliance Office](#).

Health and Safety Contingencies

In response to a health or safety concern, the University may decide to change our mode of instruction to virtual. In such event, we will take advantage of online technologies to hold classes and to administer assessments. The dates, times, or formats of assessments may change. An announcement will be made on Carmen that provides details and instructions for any switch to virtual instruction if necessary.

If an instructor is unable to teach in person, an announcement will be made on Carmen or via email. Depending on the circumstances, lecture or recitation may be delivered temporarily using Zoom meetings, recordings, or other methods. In such event, details and instructions will be included in the Carmen announcement or email.

Academic Misconduct Statement

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-48.7). For additional information, see the Code of Student Conduct at studentlife.osu.edu/csc .

Disability Statement

If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please register with Student Life Disability Services (SLDS). After registration, contact your instructors as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. Students with disabilities that have been certified by SLDS will be appropriately accommodated.

SLDS contact information:

sls@osu.edu

614-292-3307

<https://sls.osu.edu>

098 Baker Hall, 113 W. 12th Avenue.

Mental Health Statement (Counseling and Consultation Services)

As a student, you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life Counseling and Consultation Services (CCS) by visiting ccs.osu.edu or by calling 614-292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed by dialing 614-292-5766. Free and confidential support for people in distress is also available 24/7 through the 988 Suicide and Crisis Lifeline by dialing 988 or by visiting 988lifeline.org .

Title IX Harassment, Discrimination, and Sexual Misconduct Statement

The Ohio State University is committed to building and maintaining a welcoming community. All Buckeyes have the right to be free from harassment, discrimination, and sexual misconduct. Ohio State does not discriminate on the basis of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy (childbirth, false pregnancy, termination of pregnancy, or

recovery therefrom), race, religion, sex, sexual orientation, or protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment. Members of the university community also have the right to be free from all forms of sexual misconduct: sexual harassment, sexual assault, relationship violence, stalking, and sexual exploitation.

To report harassment, discrimination, sexual misconduct, or retaliation and/or seek confidential and non-confidential resources and supportive measures, contact the Civil Rights Compliance Office (CRCO):

- Online reporting form: <http://civilrights.osu.edu/>
- Call 614-247-5838 or TTY 614-688-8605
- Email civilrights@osu.edu

The university is committed to stopping sexual misconduct, preventing its recurrence, eliminating any hostile environment, and remedying its discriminatory effects. All university employees have reporting responsibilities to the Civil Rights Compliance Office to ensure the university can take appropriate action:

- All university employees, except those exempted by legal privilege of confidentiality or expressly identified as a confidential reporter, have an obligation to report incidents of sexual assault immediately.
- The following employees have an obligation to report all other forms of sexual misconduct as soon as practicable but at most within five workdays of becoming aware of such information: 1. Any human resource professional (HRP); 2. Anyone who supervises faculty, staff, students, or volunteers; 3. Chair/director; and 4. Faculty member.

Religious Accommodations

It is Ohio State's policy to reasonably accommodate the sincerely held religious beliefs and practices of all students. The policy permits a student to be absent for up to three days each academic semester for reasons of faith or religious or spiritual belief.

Students planning to use religious beliefs or practices accommodations for course requirements must inform the instructor in writing no later than 14 days after the course begins. The instructor is then responsible for scheduling an alternative time and date for the course requirement, which may be before or after the original time and date of the course requirement. These alternative accommodations will remain confidential. It is the student's responsibility to ensure that all course assignments are completed.

Copyright

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

The homework assignments and exams are protected by copyright law. Do **not** share or distribute any homework assignment or exam (in part or in whole) outside of our class. In particular, you may **not** upload any part of any homework assignment or exam to an online help service (like Chegg) or to an artificial intelligence service.

Intellectual Diversity

Ohio State is committed to fostering a culture of open inquiry and intellectual diversity within the classroom. This course will cover a range of information and may include discussions or debates about controversial issues, beliefs, or policies. Any such discussions and debates are intended to support understanding of the approved curriculum and relevant course objectives rather than promote any specific point of view. Students will be assessed on principles applicable to the field of study and the content covered in the course. Preparing students for citizenship includes helping them develop critical thinking skills that will allow them to reach their own conclusions regarding complex or controversial matters.