

CSC 540: Database Management Concepts and Systems

Spring 2026, 3 credit hours

Monday/Wednesday 8:30-9:45am, 1230 Engineering Building II

Course Information

Course Description

Advanced database concepts. Logical organization of databases: the entity-relationship model; the relational data model and its languages. Functional dependencies and normal forms. Design, implementation, and optimization of query languages; security and integrity, concurrency control, transaction processing, and distributed database systems.

Logistics, staff, and contacts

Very important for all Section 601 students: Please visit [this page](#) first.

The class meets in Room 1230 in Engineering Building 2 on Mondays and Wednesdays between 8:30-9:45am; the [videos of the lectures](#) will typically be available to Section 601 students for viewing on the day of the lecture. The handwritten lecture notes should be available to the entire class at

<https://moodle-courses2527.wolfware.ncsu.edu/mod/folder/view.php?id=746867>

Contacting the course staff: If you are interested in getting the quickest possible response to your email addressed to the course staff, please send your email to the address csc-540-001-sprg-2026-support@wolfware.ncsu.edu . Please note that an immediate response is not guaranteed when an assignment is about to be due.

Instructor

[Dr. Rada Chirkova](#), Department of Computer Science EB2-2276, 919-513-3506, csc-540-001-sprg-2026-support@wolfware.ncsu.edu

Office Hours (note [exceptions](#)):

- Tuesdays 5pm-6pm **for Section 601 students** [on zoom](#) (meeting ID 910 3966 2118, passcode 422697)
- Wednesdays 12:30pm-1:30pm [on zoom](#) (meeting ID 922 8686 8439, passcode 043864).

Please be sure to read the **Emails and postings** section below.

TAs:

Ahmed Elgendy

Email: csc-540-001-sprg-2026-support@wolfware.ncsu.edu

Office hours (note [exceptions](#)) **for Section 601 students:** Fridays 4pm-5pm [on zoom](#) (meeting ID 476 487 1042, no passcode needed)

Yuqi Wu

Email: csc-540-001-sprg-2026-support@wolfware.ncsu.edu

Office hours (note [exceptions](#)): Mondays 10am–11:00am [on zoom](#) (meeting ID 983 0440 1825, passcode 535564)

How you can succeed in this course:

- Taking seriously the reading requirement (under **Reading Assignments, Homeworks, and Project** here) should make it much more likely for you to be able to excel in the course assignments and to do well in both exams.
- Attending classes should keep you up to speed on some of the important things that are covered in the course assignments and exams, and will give you opportunities to clarify things as the need arises.
- Studies have shown that taking physical (as opposed to electronic) notes during lectures and reviewing is conducive to better understanding and retention of the materials.
- Starting your work on each stage of the labor-intensive course project as soon as it is announced should help you keep the effort at a reasonable pace over time.
- (Contributed by Kazi Rashad) In the team project, it is crucial to understand whether a teammate is struggling. If so, then the team lead needs to offer assistance to circumvent the struggling teammate from spending extraneous amount of time

on a concept that could be easily explained within < 10 minutes.

Emails and postings:

- If you are interested in getting the quickest possible response to your email addressed to the course staff, please send your email to the address csc-540-001-sprg-2026-support@wolfware.ncsu.edu. Please note that an immediate response is not guaranteed when an assignment is about to be due. _
 - Please direct your questions as follows. Please don't use the message boards for questions where you want the TAs/graders to take specific action. Also don't use the message boards for questions about how your homework, program, or exam was graded. Use the message boards for general assignment-related questions for which it is OK to share knowledge (don't post ideas or code listings that give away part of a solution that students or teams are supposed to obtain by themselves).
1. **Questions about policies, schedules, meaning of assignments, and other course information:** Every effort has been made to make the course information (both online and in the in-class announcements) as clear, complete, and unambiguous as possible. If you are not sure what a piece of the course information means, then share your interpretation with the TAs/graders (during an office hour, by email, or on a message board), and they will let you know whether the interpretation is correct or not. Among the web pages for your course that are hosted on Moodle, it makes sense to read first the course syllabus, then the course announcements, and then the pages of specific interest to you that can be reached from the home page for the course.
 2. Videos and notes posted for Section 601 students by the EOL Program Office: Section 601 students are welcome to contact the [EOL Program Office](#).
 3. All project-related questions that are not already answered in the Course Project topic or on the relevant message board(s): to the TAs/graders or onto the relevant message board(s).
 4. General content and exams: to the TAs/graders or onto the relevant message board(s).
 5. Homeworks and old exams: to the TAs/graders or onto the relevant message board(s).
 6. Problems with accounts, servers, submit boards, gradebook, ...: to the TAs/graders or onto the relevant message board(s).
 7. Missing or erroneous grades: to the TAs/graders.
 8. Misc (teams, programming bugs, ...): to the TAs/graders or onto the relevant message board(s).
 9. Lecture questions: onto the relevant message board(s).
 10. Any other questions when TA/grader or message-board help has not been provided: email the instructor for an appointment.
- In the interest of fairness, the TAs/graders try to post answers to questions asked privately or by email on the course message boards.

Learning Outcomes: see the [Learning Objectives topic](#) on the course Moodle page.

Textbook (required; available via the Hunt Library course reserves):

Database Systems: The Complete Book (2nd edition), by Hector Garcia-Molina, Jeffrey D. Ullman, and Jennifer Widom.

Course Prerequisites:

- CSC 316, Data Structures for Computer Scientists
- Knowledge of discrete mathematics and predicate logic. Specifically, the knowledge of the following background topics will be assumed: elementary set theory, relations, partial orders, functions, concept of a theorem, propositional logic, and predicate logic. These topics are covered in CSC 224: Applied Discrete Mathematics. You may review Sections 1.1 – 1.6, 3.1, 6.1, 6.2, 6.4 from the following book, which is sometimes used as the CSC 224 textbook: K. H. Rosen, *Discrete Mathematics and its Applications* (McGraw-Hill, 2nd edition, 1991).
- Sufficient ability to program in Java or willingness to acquire it through self-study.

Technology requirements:

NC State University Libraries offers [Technology Lending](#), where many devices are available to borrow for a 7-day period. Computer labs are available in various locations around campus for student use.

Computer: A computer is required for students taking this course. NC State's Office of Information Technology provides [recommendations for your computer at NC State](#).

Other devices: No other peripheral tools will be needed for the course.

Software and digitally-hosted course components: The following software and tools may be used in this course. Some tools are a part of NC State's enterprise tools. See [information about their purpose, how to access them, accessibility information, and privacy policies](#).

- Moodle. Moodle will be used for five purposes. (1) Broadcast announcements to the whole class from the instructors. (2) Distribution of class documents including policies, lecture notes, homework and project assignments, and quizzes. (3) Discussion boards. (4) Submission of papers for grading. (5) Grade reporting.
- Zoom. Office hours may be conducted via Zoom. If, for some reason, we are unable to meet in person for a class session, the lecture will be conducted over Zoom. In such cases, the instructor will announce it over Moodle.
- Relational database-management system. This software will be provided by NCSU.
- Application-code programming language (with its programming environment) that is different from SQL and that includes functionalities for sending SQL commands to a database-management system (DBMS) and for receiving responses from the DBMS. (Java with its JDBC functionalities is such a programming language; its programming environment will be provided by NCSU.)

Using the Moodle message (discussion) boards: Please don't use the message boards for questions where you want the TAs/graders to take specific action. Also don't use the message boards for questions about how your homework, program, or exam was graded. Use the message boards for general assignment-related questions for which it is OK to share knowledge; don't post ideas or code listings that give away part of a solution that students or teams are supposed to obtain by themselves.

GEP: This course does not fulfill a General Education Program category or co-requisite.

Reading Assignments, Homeworks, and Project ([schedule](#)):

You are required to read the assigned chapters and sections of the textbook before the corresponding topics are discussed in class. In answering your questions on the topics discussed in class, the instructor will assume you are already familiar with the relevant material in the textbook.

There will be *up to six* in-class quizzes (none of them announced in advance), in which you will be asked questions on the materials of that day's lecture *or* of the previous lecture. Out of your (up to six) quiz grades, the lowest grade will be discarded. Your remaining quiz grades together constitute 5% of your course grade. The quizzes are subject to the following rules:

No excuses for any reasons will be accepted for missed in-class quizzes. Make-up quizzes are not possible in this class, even in those cases where a student is present in a lecture in which a quiz is offered, but arrived in the classroom after the quiz questions were unveiled to the class. If you cannot connect to the quiz page on Moodle when instructed to take the quiz electronically in class, then in order to get an opportunity to get a positive grade for the quiz you are responsible for (1) taking the quiz during the original allotted quiz time on a sheet of paper provided by the instructor, *and (2) for alerting the instructor about your paper answers once the quiz is over*. Note that by taking the quiz on the paper provided by the instructor, you are giving up your electronic-submission grade, even if it ends up being higher than your grade for the paper version. (For the details on this grading issue, see the **Multiple solutions or papers submitted per assignment** section in the syllabus.)

For Section 601 students, the rules governing the quiz-submission deadlines are covered [here](#).

There will be eight homework assignments and a project. The homework grades will be added up without scaling. All work is to be performed individually unless otherwise specified. For the collaborative homework problems, you are encouraged to form teams of 2-3 members (of students in this class) to cooperate only on those problems. After discussing the problems, please write up your answers individually. Indicate the names of the other members in your team, if any. You get no extra credit for working alone where collaboration is permitted.

The homework grades, taken together, are just 5% of the course grade. At the same time, for doing well in the course, especially on the exams, it is crucial to take the homeworks seriously. If you work hard on your homeworks and if you understand well the (correct) homework solutions, it is likely that you will do well on both exams.

Note that in each assignment submission via a Moodle submit board or quiz interface, it is your responsibility to check that your submission has gone through successfully. (If in any doubt concerning the Moodle submit boards or quiz interfaces, feel free to email the course staff with your submission before the submission deadline as a backup.)

If a student joins the class after the add cutoff date and has missed one or more assignments, they will receive a zero grade for all the missed assignments unless they have reached an agreement with the instructor in writing, within one week of joining the class, on the schedule of making up the assignments.

Gadgets in Class

All on-campus students: Please refrain from using all your electronic gadgets during class. If you wish to take class notes using a computer (or iPad and so on), please see the instructor in advance for a written permission, and please show her your notes after each class.

Grading

+/- grades will be assigned. There will be a lot of work – please plan to spend about 11-13 hours for this course (outside of class) each week. The course project is an important part of the course.

Components of the course grade:

Quizzes (up to six) = 5% (all the quiz grades have the same weight)

Homeworks = 5%

Project = 30%

Midterm exam (see [here](#) for the dates) = 25%

Final exam (see [here](#) for the dates) = 35% (the exam is cumulative)

Unit-based extra credit = up to 2% of the course grade. (See the **Unit-based extra credit** section below.)

All the course grades will be calculated in a completely transparent way using (i) your grades posted in the gradebook, (ii) the assignment-category percentages listed in the course syllabus, and (iii) the assignment types specified in the [schedule](#).

Unit-based extra credit

The students in the class are encouraged to respond to questions on the message boards. For each question posted on a course message board, the TAs/graders will wait 24 hours (during business days) before responding, so that the students could get a chance to respond first, for extra credit. Each (nonduplicated) correct response to a message-board question counts as one unit. (**Exception:** No units will be earned for posting, onto message boards, any information that is already available on the course web pages or has been made available by the instructor in class.) These units can only be earned up until (inclusively) the last day of classes. At the end of the semester, all the units earned by each student are added up; then:

1. The top 25% of the students (among those students who have earned units) receive 2% each of the course grade as extra credit;
2. The bottom 25% of the students (among those students who have earned units) receive 0.5% each of the course grade as extra credit; and
3. All the other students (among those students who have earned units) receive 1% each of the course grade as extra credit.

Multiple solutions or papers submitted per assignment

If a student submits multiple solutions to the same problem in the same paper (in both the exam papers and the non-exam papers submitted for grading) *and does not clearly mark exactly one of these solutions as “the correct” solution*, then the TAs/graders will assign zero points as a grade for this problem. In case a student submits multiple papers for the same assignment, the course staff will grade the latest submission *only*, even if the latest submission does not contain solutions to some problems, and solutions to those problems can be found in earlier submissions for that assignment. (If the multiple submissions are not timestamped by the student, then the course staff reserves the right to pick one submission out of these multiple submissions and to grade that submission only.) In case that latest submission for an assignment is a late submission (permitted only if the submission conforms to the late-submission policy, see under **Deadlines** in this Syllabus), no earlier-submitted paper will be considered for grading for that assignment, even if that earlier-submitted paper is not a late submission.

The Regrade Policy, courtesy of Michael Genesereth at Stanford University (note that *all regrade issues other than final-exam regrades must be resolved before the end of the last day of classes, with one exception: if some grades, such as project report 3 grades, are not ready by that time, then all regrade issues for such grades must be resolved before the day of the final exam*):

If you feel a regrade is warranted, the following items may be of interest.

- You must clearly and concisely describe why what you wrote is more correct than we gave you credit for.
- The entire problem set or project report will be regraded. In other words, by requesting a regrade, you risk lowering your grade.
- The grading basis for all the problems is the required textbook. No other materials can be considered in the grading.
- You should send your request, in writing, to the TAs/graders.
- All regrade requests must be made no later than a week after each homework, project report, quiz paper, or exam paper is returned to the class. This includes all corrections to your grade in the Moodle gradebook. The only exception to this rule would be made for documented NCSU-recognized (<http://policies.ncsu.edu/regulation/reg-02-20-03>) absences for the

entire regrade week period in question. No corrections to gradebook grades for any assignments or individual grade components in the course are possible after the final exam.

- The only exception to the second bullet point will be arithmetic errors. If we subtracted 5 from 10 and gave you 2, we won't regrade your solutions.
- Please note that final-exam papers are not returned to the students.

Self-Study Responsibilities

Some of the topics are important but are either quite straightforward or not a main focus of this course. These topics will be identified by the instructor as self-study topics. Your knowledge of them will be evaluated as appropriate through exams, homeworks, programming assignments, or the project.

Topics

All the information in this section is tentative as of January 2026.

This course will present the fundamental concepts in database management at the graduate level. The following topics correspond to chapters 1-7, 11, 13-18, 20, and to sections 9.6 and 10.1 of the required textbook (2nd edition). In addition, we may or may not have time to cover more topics in the textbook. The indicated class times are approximate estimates.

1. Introduction (0.5 week: chapter 1).
2. Database programming basics (0.5 week: section 9.6 and online JDBC tutorial): MariaDB with JDBC frontend.
3. Data modeling: entity-relationship approach (1 week: sections 4.1-4.4).
4. Relational model (1.5 week: sections 2.1-2.2 and 4.5-4.6).
5. Relational algebra (1 week: sections 2.4 and 5.1-5.2).
6. SQL (1.5 week: sections 2.3 and 6.1-6.5).
7. Constraints and triggers (1 week: chapter 7).
8. Transactions, security, and authorization in SQL (0.5 week: sections 6.6 and 10.1).
9. Data storage basics (0.5 week: sections 13.1-13.5).
10. Representing data elements (0.5 week: sections 13.6-13.8).
11. Index structures (0.5 week: chapter 14).
12. Recovery (1 week: chapter 17).
13. Concurrency control (1 week: chapter 18).
14. Query execution (0.5 week: chapters 15-16).
15. Distributed databases (0.5 week: chapter 20).
16. (Time permitting) Semistructured data and XML (0.5 week: chapter 11).
17. (Time permitting) Information integration (0.5 week: chapter 21).
18. (Time permitting) Data mining (0.5 week: chapter 22).
19. (Time permitting) Search engines (0.5 week: chapter 23).

Communication Guidelines: The [NC State Code of Student Conduct](#) outlines expectations for behavior in the classroom (whether virtual or physical) and the consequences for students who violate these expectations. Any behavior that impacts other students' ability to learn and succeed will be addressed, but expressing diverse viewpoints and interpretations of course content is welcome.

Some course activities will require you to interact with other students in the course. This is especially the case for in-class exercises. It is a major part of your learning experience to be able to communicate your knowledge. If there is a group exercise, these are not optional. If you refuse to participate in these activities, you may be asked to leave.

POLICIES

The students are responsible for reviewing the NC State University Policies, Rules, and Regulations (PRRs) which pertain to their course rights and responsibilities, including those referenced both below and above in this syllabus:

- Equal Opportunity and Non-Discrimination Policy Statement <https://policies.ncsu.edu/policy/pol-04-25-05> with additional references at <https://oied.ncsu.edu/divweb/policies/>
- Code of Student Conduct <https://policies.ncsu.edu/policy/pol-11-35-01>

Academic Integrity

Students are required to comply with the university policy on academic integrity found in the [Code of Student Conduct](#) at <https://studentconduct.dasa.ncsu.edu/students/>. See <http://policies.ncsu.edu/policy/pol-11-35-01> for a detailed explanation of academic integrity and misconduct. Your signature on any test or assignment indicates "I have neither given nor

received unauthorized aid on this test or assignment.”

The university, college, and department policies against academic dishonesty will be strictly enforced. *In this class, there will be zero tolerance of academic dishonesty and of misconduct; the penalty for each case of academic dishonesty or misconduct, including cases falling under items 6, 8, and 10 of the [NCSU Code of Student Conduct](#), is at least 15% of the course grade.* You may obtain copies of the [NCSU Code of Student Conduct](#) from the [Office of Student Conduct](#); Section 6 of the Code is dedicated to standards of classroom behavior, and Section 8 of the Code focuses on academic misconduct.

The course staff will be explicit about which assignments should be completed in teams and which should be completed individually. For individual homework, all forms of collaboration are prohibited. For team homework, students may collaborate and discuss approaches, but each student must write their own code, write and document their own solutions, and list the names of all their collaborators on the solutions being submitted. All kinds of collusion will be subject to disciplinary action. Students must acknowledge sources such as books (other than the required texts) and old assignments. Unacknowledged use of any such material is subject to disciplinary action. Any attempts to circumvent computing system security or interfere with others' work will also be subject to disciplinary action.

Use of AI Tools: This course requires you to complete various assignments that assess your understanding and application of the course content. You are expected to do your own work and cite any sources you use properly. You are not allowed to use any artificial intelligence (AI) tools, such as chatbots, text generators, code generators, paraphrasers, summarizers, or solvers, to complete any part of your assignments, unless explicitly instructed to do so in the text of the assignment. Any attempt to use these tools (unless explicitly instructed to do so in the text of the assignment) will be considered academic misconduct and will be dealt with according to the University's academic-integrity policy, see [Code of Student Conduct](#). Students are expected to complete all work independently and without the assistance of AI-generated content. If you have any questions about what constitutes acceptable use of AI tools, please consult with the instructor *before* submitting your work.

Violations of academic integrity will be handled in accordance with the Student Discipline Procedures ([NCSU REG 11.35.02](#)).

Electronically-Hosted Course Components and Student Privacy

The course staff will communicate with the students through NCSU e-mail and through Moodle. Software may be used in this course to detect the originality of student submissions. Students may be required to disclose personally identifiable information to other students in the course, via electronic tools such as email or web postings, where relevant to the course. Examples include online discussions of class topics and posting of student coursework. All students are expected to respect the privacy of each other by not sharing or using such information outside the course.

Deadlines:

The deadlines for all the assignments will be hard. The only exception is as follows: Late peer evaluations (within project reports) will be accepted ([by email](#)) with a 3% reduction in total grade for the corresponding project report for *each late day*. However, if a peer evaluation for project report 3 is not submitted by the day of the final exam, the penalty is a 10% reduction in the total grade for project report 3.

For each paper that is due in class before class, but is submitted after the class starts, the grade for the late submission is reduced by at least 5% for the entire team of authors of the paper.

Mailing List:

You will be added to or deleted from the course mailing list automatically based on your registration status for the course. The TAs/graders can insert and remove additional addresses, but neither the TAs/graders nor the instructor can remove your unity address from the mailing list.

Course Announcements:

The instructor will make each course-related announcement available on the [Announcements](#) web page. Students are responsible for monitoring [the relevant web page](#), at least twice a week, for any course-related announcements.

Exam Instructions:

Neither the midterm exam nor the final exam can be rescheduled for any reason. The final exam is cumulative. All questions in both exams will be covered by the learning objectives, see the Learning Objectives topic on the Moodle web page for the course. Please see [here](#) for the materials that you can use in the exams. Collusion or cheating of any form are forbidden. You can be

asked to explain your solutions verbally. The instructor never asks any trick questions. In solving exam and/or homework problems, you may not make additional assumptions, unless explicitly encouraged to do so in the problem assignment. You can get partial credit for an English description.

Homework Instructions:

The homework problems are independent unless clearly marked as collaborative. You have to take care not to discuss the former (independent) problems with anyone. For the latter (collaborative) problems, you are encouraged to form teams of 2-3 members (of students in this class). The teams can change over the semester. After discussing the problem, please write up your answers individually. On your answer sheet, list the names of all the other members in your team, if any.

Project Instructions:

The project is meant to be carried out by student teams (of at most four students per team) on NCSU computing facilities. The software produced should be compilable and executable on NCSU machines. If you wish to use off-campus resources, you may do so, but only with explicit prior approval. Approval usually requires that (a) there is no inconvenience to the other members of your team, (b) you are willing and able to manage without any support from NCSU staff, and (c) you are willing and able to assist in evaluating your work, e.g., by connecting to the off-campus site or by transporting equipment to campus.

Often, a project requires teamwork. Project teams ought not change over the semester. However, a change may be allowed for a good reason. Each member of the team is expected to work hard. (Please note that peer evaluations are an explicit and significant part of the project grade.) Team members are encouraged to resolve technical differences through discussion. However, if some member is not working satisfactorily, complaints from the other members will be entertained, possibly leading to a reduction in credit for the person not working satisfactorily.

Attendance:

The instructor expects good attendance. If you miss a class, then it is your responsibility to make up. Neither the midterm exam nor the final exam can be rescheduled for any reason. For unanticipated documented verified exam absences, the instructor will prorate your score on the other exam. No excuses for any reasons will be accepted for missed in-class quizzes; the quizzes also cannot be retaken. You should review the official attendance regulations at <http://policies.ncsu.edu/regulation/reg-02-20-03>. Excuses for unanticipated absences must be presented to the instructor within one week after the return to class. Please see [here](#) for the University policy on absence verification.

Distance-education students: The recordings of the lectures are typically available from [the EOL Office](#) on the same day. The students are expected to complete watching the recording of each lecture during the same week (before 11:59pm on Saturday of the week during which the lecture was recorded), in part due to the [strict quiz-closure deadlines](#). In case you encounter any technical issues related to viewing the lectures, please send an email to Techsupport_EOL@help.ncsu.edu. For all the homeworks and project reports, the paper submission is to be done via Moodle submit boards, with the same deadlines for the entire class (both distance and on-campus students). Each distance-education student is responsible for scheduling **by the announced cut-off date** their individual proctored midterm exam and final exam (feel free to contact examsforeol@ncsu.edu if you have questions or need assistance finding someone in your area to serve as a proctor), see [here](#) for the Section 601 exam date ranges. Please follow the instructions of [the EOL Office](#) on the scheduling and administration of the midterm exam and of the final exam.

Requirements for Credit-Only (S/U) Grading

If you are taking this course for credit only (S/U), your grade will be reported as S (Satisfactory) when the coursework is equivalent to a C- or better, or U (Unsatisfactory) when the coursework is equivalent to less than a C-. For more information, see the [Credit Only Courses regulation](#).

Audit Requirements:

Audits in this course are permitted only in case you have a permission, in writing, from the CSC Graduate Office to audit the course. Prerequisites are waived for enrollment as an audit student. Audit requirements for the course are 50% attendance and a grade of C or better in any one exam. Projects done by auditing students are not graded and not considered equivalent to an exam.

Incomplete Grades, Withdrawals

Information on incomplete grades can be found at [REG 02.50.03 – Grades and Grade Point Average](#). If you encounter a serious disruption to your work not caused by you and you would have otherwise successfully completed the course, contact your instructor as soon as you can to discuss the possibility of earning an Incomplete in the course for the semester, including an agreement on when the remaining work must be done in order to change the grade to the appropriate letter grade.

If you must withdraw from a course or from the University due to hardship beyond your control, see [here](#) and [here](#) for information and instructions.

Lecture Recordings

Please be advised that this course is being recorded for current and potential future educational purposes. By your continued participation in this recorded course, you are providing your permission to be recorded.

Grading scale (all the numbers are percentages of the maximal possible score):

A+ >= 97; A = [94,97); A- = [90,94); B+ = [87,90); B = [84,87); B- = [80,84); C+ = [77,80); C = [74,77); C- = [70,74); D+ = [67,70); D = [64,67); D- = [60,64); F < 60.

Accommodations for Disabilities

Reasonable accommodations will be made for students with verifiable disabilities. In order to take advantage of the available accommodations, students must register with the [Disability Resource Office](#). For more information on NC State's policy on working with students with disabilities, please see the Academic Accommodations for Students with Disabilities Regulation (NCSU [REG 02.20.01](#)).

Non-Discrimination Policy

NC State University provides equality of opportunity in education and employment for all students and employees. Accordingly, NC State affirms its commitment to maintain a work environment for all employees and an academic environment for all students that is free from all forms of discrimination and harassment, see [NC State University policy](#). Retaliation against any person who complains about discrimination is also prohibited. NC State's policies and regulations covering discrimination, harassment, and retaliation may be accessed at <http://policies.ncsu.edu/policy/pol-04-25-05>. Any person who feels that he or she has been the subject of prohibited discrimination, harassment, or retaliation should contact the [NCSU Office of Equal Opportunity](#).

Policy on Class Disruption: This class, like the University as a whole, is an at-will activity. You and your classmates are in class to learn the material and to participate. Willful disruption of the lecture or other similar actions that impede the progress of your peers will result in deductions to your total grade, see the **Academic Integrity** section above. Disruptive students will receive one warning before any deductions take place. For any persistent or repeated activities points will be deducted from your grade at the discretion of the course instructor, and may also result in a report to the NCSU Office of Student Conduct and/or NCSU Public Safety. Please see [POL 11.35.01 – Code of Student Conduct](#) for more details on University policies on classroom conduct.

Policy on Professional Conduct: The classroom is a professional environment. Students are expected to conduct themselves in a professional and courteous manner both within the classroom and in their out-of-class interactions. This includes their interactions with teaching staff and classmates, both in class and in online forums. Documented complaints of uncivil, aggressive, harassing, or threatening behavior will be reported to the appropriate campus authorities and may adversely impact your grade.

Supporting Fellow Students in Distress: Academic and Student Affairs maintains a website with links for student support on campus, including academic support, community support, health and wellness, financial hardship or insecurity, and more. [Find Help on Campus](#).

As members of the NC State Wolfpack community, we each share a personal responsibility to express concern for one another and to ensure that this classroom and the campus as a whole remains a safe environment for learning. Occasionally, you may come across a fellow classmate whose personal behavior concerns or worries you. When this is the case, we would encourage you to report this behavior to the [NC State Cares](#) website. Although you can report anonymously, it is preferred that you share your contact information, so they can follow up with you personally.

Student Evaluations of the Course: Online class evaluations will be available for students to complete between 8 am April 15th, 2026 and 8 am April 30th, 2026. Students will receive an email message directing them to a website where they can login using their Unity ID and complete evaluations. All evaluations are confidential; instructors will not know how any one student responded to any question, and students will not know the ratings for any instructors.

Evaluation website: <http://go.ncsu.edu/cesurvey>. Student help desk: classeval@ncsu.edu. [More information about ClassEval](#).

NC State University Policies, Regulations, and Rules

Students are responsible for reviewing the NC State University Policies, Rules, and Regulations (PRRs) which pertain to their course rights and responsibilities, including those referenced in this syllabus:

- Equal Opportunity and Non-Discrimination Policy Statement <https://policies.ncsu.edu/policy/pol-04-25-05> with additional references at <https://oied.ncsu.edu/divweb/policies/>
- [Code of Student Conduct](#) - also see <https://policies.ncsu.edu/policy/pol-11-35-01>
- [Grades and Grade Point Average](#)
- [Credit-Only Courses](#)
- [Audits](#)

Syllabus-modification statement: This syllabus represents a flexible agreement. It outlines the topics we will cover and the order in which we will cover them, as well as the applicable rules and policies. Dates for assignments represent the earliest possible time they would be due. The pace of the class depends on student mastery and interests, and sometimes approaches need to be revised. Thus minor changes in the syllabus can occur if we need to slow down or speed up the pace of instruction, or to modify any applicable rules and policies.

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