Course Goals/Promises: In this course, I want you to come away with the following (probably incomplete) ranked list of skills:

1. The confidence to
   - know when your answers are correct,
   - ask questions,
   - admit that you don’t know (when\(^1\) you don’t), and
   - admit that you have made a mistake (when\(^2\) you have).

2. An appreciation of mathematics, persistence, and making mistakes.
3. The communication skills to explain the mathematics you’ve learned to other students.
4. The computational skills and conceptual understanding to answer questions in linear algebra involving
   - systems of linear equations,
   - matrices,
   - determinants,
   - vector spaces,
   - eigenvectors, eigenvalues, and
   - orthogonality.

Student Responsibilities: In order to meet all of the goals in this course, you need to promise to participate fully in the classroom. This includes the following (probably incomplete) list of actions:

- Be prepared for class, including doing all homework, reading the textbook, and bringing materials to class that are essential for your participation in class.
- Be motivated more by learning the material than by earning a good grade.
- Help your classmates to learn the material.
- Attend class, have your brain turned on during all activities, and communicate with me and the other students during class.
- Have a positive attitude towards the material and the activities.

\(^1\)I expect you to not know things, so this is intentionally a “when” and not an “if.”
\(^2\)I also expect you to make mistakes, so this is intentionally a “when” and not an “if.”
Assignments and Grades

Your grade will be based upon the following assignments.

**Participation:** Approximately every week you will be asked to self-evaluate your participation and a portion of your grade will be based on your participation in class.

**Homework:** I will assign homework regularly and it will always be due on Fridays in class. You should take pride in the work you turn in. As such, it should be neat (no torn notebook paper), legible, well organized, and stapled. Homework that does not meet these standards will not be graded. Late homework will not be accepted.

**Quizzes:** There will be short quizzes given throughout the semester. The purpose of the quizzes is to make sure that you’re remembering (and understanding) important definitions, examples, and theorems. There will be no makeup quizzes, but I will drop your lowest quiz score.

**Project:** There will be a project to be completed in small groups. More information about the project will be given in the second week of classes.

**Midterm Exam:** There will be one midterm exam. The midterm will (probably) be held on Friday, October 23rd. More details (including what types of problems to expect and what content they’ll cover) will be given as we get closer to the exam date.

**Final Exam:** There will be a cumulative final exam. The final exam is scheduled for Tuesday, December 15th, 3:30-5:30 pm.

**Grade Distribution:** You will be given the opportunity to choose (within a range) how you would like the assignments to count towards your final grade percentage. The default grade distribution is:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation</td>
<td>10</td>
</tr>
<tr>
<td>Homework</td>
<td>15</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15</td>
</tr>
<tr>
<td>Project</td>
<td>20</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>20</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20</td>
</tr>
</tbody>
</table>

**Grade Ranges:** Your grade for the course will be based on your percentage in the class as follows:

- A \( \geq 90 \)
- 90 > B \( \geq 80 \)
- 80 > C \( \geq 70 \)
- 70 > D \( \geq 60 \)
- 60 > F

Plusses and minuses may be attached to grades within each of these ranges at the discretion of the instructor.
Course Policies

Academic Honesty: Academic honesty is expected of all Gonzaga University students. While it is important and useful to work with others in solving problems, everything you turn in should be your own work. In particular, it is expected that you understand and write up all homework problems for yourself. If you have questions about what constitutes academic honesty in this class, please do not hesitate to ask me. Academic dishonesty will not be tolerated, and may result in a failing grade for the course. For more information on the official Gonzaga University policy, see “Academic Honesty” in the University’s online catalogue: http://www.gonzaga.edu/catalogues/

Accommodations: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability/medical condition requiring an accommodation, please call (Ext. 4134) or visit the Disability Access office (previously known as DREAM) in room 209 of Foley Library.

Additional Help: Please take advantage of the math department’s free tutoring center in Herak 224. Check the schedule for times and tutor schedules. You are also encouraged to come to office hours regularly and ask questions after, during, and/or after class.

Attendance: I follow strictly the university’s standard policy on absences: the maximum allowable absence is two class hours (100 minutes) for each class credit. For a three-credit class meeting three times a week, the maximum number of absences allowed is six. The grade for excessive absences is “V”, which has the same effect as “F” (Fail) and is counted in the GPA. For more information on the official Gonzaga University policy, see “Class Attendance Policy” in the University’s online catalogue: http://www.gonzaga.edu/catalogues/

Calculators: Calculators will NOT be allowed on any of the exams or quizzes in this course.

Extra Credit: There is NO EXTRA CREDIT available in this class. If a good grade is important to you, then complete all homework assignments and study. You will not be able to raise your grade at the end of the semester with extra credit.

Makeup Exams: In general, NO makeup examinations will be given. If an examination is missed due to illness then (1) the illness must be of sufficient severity to be verified in writing by the University Health Center or by a local physician, and (2) the instructor must be informed prior to the examination. A makeup exam given due to the death or illness of an immediate family member must be verified with documentation. If it is decided that there are sufficient reasons for a makeup examination to be given, the exam will be scheduled during the last week of class and will be more difficult than the original exam.
A note on harassment, discrimination, and sexual misconduct: Consistent with its mission, Gonzaga seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX and Gonzaga’s policy prohibit harassment, discrimination and sexual misconduct. Gonzaga encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to someone from the Campus and Local Resources list found in the Student Handbook: [http://www.gonzaga.edu/studenthandbook](http://www.gonzaga.edu/studenthandbook) about what happened so they can get the support they need and Gonzaga can respond appropriately. There are both confidential and non-confidential resources and reporting options available to you. Gonzaga is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please visit the following websites: [http://www.gonzaga.edu/eo](http://www.gonzaga.edu/eo) and [http://www.gonzaga.edu/titleix](http://www.gonzaga.edu/titleix).

A note on homework: Assigned homework has the following three purposes:

1. to specify the material students will be responsible for,
2. to provide relevant examples for class discussions and,
3. most importantly, to provide material through which the student can enhance their knowledge of the subject.

Frequently there will be time at the beginning of the class period devoted to answering questions pertaining to the homework. Mathematics can only be mastered through practice - that means completing all homework assignments!

A note on proper classroom etiquette: I may occasionally want you to use your cell phones in class, so I do not want to make an official policy on cell phones and other technology. However, you should certainly be respectful of yourself and your classmates by using proper classroom etiquette at all times. If it becomes clear that we need to have a discussion about what constitutes proper classroom etiquette, we will do that as a class, and may set some official behavior policies.
## Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 September</td>
<td>Wednesday</td>
<td>First Day of Class</td>
</tr>
<tr>
<td>7 September</td>
<td>Monday</td>
<td>Labor Day - No Class</td>
</tr>
<tr>
<td>9 September</td>
<td>Wednesday</td>
<td>Last Day to Add a Class</td>
</tr>
<tr>
<td>11 September</td>
<td>Friday</td>
<td>Last Day to Drop a Class</td>
</tr>
<tr>
<td>16 September</td>
<td>Wednesday</td>
<td>Mass of the Holy Spirit and LeAD - No Class</td>
</tr>
<tr>
<td>2 October</td>
<td>Friday</td>
<td>Incompletes Revert to Provisional Grades</td>
</tr>
<tr>
<td>19 October</td>
<td>Monday</td>
<td>Founder’s Day - No Class</td>
</tr>
<tr>
<td>23 October</td>
<td>Friday</td>
<td>Midterm Exam (Tentative)</td>
</tr>
<tr>
<td>27 October</td>
<td>Tuesday</td>
<td>Mid-Semester Grades Due in Registrar’s Office</td>
</tr>
<tr>
<td>13 November</td>
<td>Friday</td>
<td>Last Day to Withdraw</td>
</tr>
<tr>
<td>25-27 November</td>
<td>Wednesday-Friday</td>
<td>Thanksgiving Break - No Class</td>
</tr>
<tr>
<td>15 December</td>
<td>Tuesday</td>
<td>Final Exam 3:30 - 5:30 pm</td>
</tr>
</tbody>
</table>