Schedule: MTWF 9:40–10:30 AM, Room: SFEBB 160

Instructor: Kyle Steffen, Office: JWB 105, Website: [http://www.math.utah.edu/~steffen/](http://www.math.utah.edu/~steffen/)

Contact: (801) 581–7663, steffen@math.utah.edu

Office hours: W 10:30 AM – 12:00 PM, H 1:00–2:00 PM, or by appointment.


Prerequisites: See course catalog. The math department strictly enforces prerequisites.

Course description: To improve mathematical reasoning, and to prepare for future math learning in calculus, linear algebra, and discrete mathematics.

Topics to be covered include numbers, functions, sequences, series, counting problems, graphs of functions, inverse functions, polynomials, rational functions, \( n \)-th roots, exponential functions, logarithms, piecewise defined functions, matrices, and matrix equations.

Calculator: Calculators are not required for this course, are not needed for homework, and will not be allowed on quizzes or exams.

Assessment:

- **Homework** – Homework is to be completed on WeBWorK. It is due every Friday by 4am (i.e. late Thursday night) – except for January 16th (first week of classes) and March 20th (spring break). An assignment will be also be due on Wednesday, April 29th by 4am. No late homework is allowed. It is expected that you receive a perfect score on homeworks throughout the semester.
- **Quizzes** – There will be a short quiz (5 or 10 minutes) every Friday.
- **Midterm exams** – There will be three midterm exams in class on Friday February 13th, March 13th, and April 17th.
- **Final exam** – At the University-schedule date and time: Friday, May 1st 8:00–10:00 AM.

Grades: Your final grade will be determined using the following formula: 15% Homework, 10% Quizzes, 15% per Midterm Exam, 30% Final Exam. Letter grades will be assigned as follows:

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ≥ ( N ) ≥ 91</td>
<td>A</td>
</tr>
<tr>
<td>91 &gt; ( N ) ≥ 87</td>
<td>A−</td>
</tr>
<tr>
<td>87 &gt; ( N ) ≥ 84</td>
<td>B+</td>
</tr>
<tr>
<td>84 &gt; ( N ) ≥ 81</td>
<td>B</td>
</tr>
<tr>
<td>81 &gt; ( N ) ≥ 77</td>
<td>B−</td>
</tr>
<tr>
<td>77 &gt; ( N ) ≥ 74</td>
<td>C+</td>
</tr>
</tbody>
</table>
Your lowest midterm score will be replaced by your score on the final exam, or you will receive a 2% bonus to your semester grade (whichever results in the highest grade). There will be no extra credit, partial credit, rounding up, or makeup exams.

**Honor Code:** You are expected to abide by the University of Utah Honor Code and to avoid any instances of academic misconduct, including but not limited to: (1) possessing, using, or exchanging improperly acquired written or oral information during an exam; (2) substitution of material that is wholly or substantially identical to that created or published by another individual(s); and (3) false claims of performance or work.

**Strategies for success:**
- Attend class, and ask questions—being engaged helps you learn.
- Read the current section of the textbook before class. Read over your notes after class.
- Plan to do homework daily.
- Missing quizzes will affect your grade. Know when quizzes and exams will be held. Know how to compute your grade.
- Form study groups with other students. Working in groups helps students self-evaluate what they know and what they do not know.
- Cramming does not work. Study regularly and often throughout the semester. Focus on understanding the material rather than memorizing formulas.
- Read directions carefully. Read all the problems before you start working on any of them. Check your answers and make sure they are correct and well presented.
- Ask for help during office hours, at the Tutoring Center, or from your classmates. Please do not be shy to ask questions during and after lectures, to come by during office hours, or to e-mail me with any concerns.
  - The Mathematics Tutoring Center, adjacent to the John Widtsoe Building (JWB) and LeRoy Cowles Building (LCB), offers free, drop-in tutoring for students in MATH 1030 (among other classes). The tutoring center will open Tuesday, January 20th, and the hours are: 8:00 AM – 8:00 PM on MTWH and 8:00 AM – 6:00 PM on F. The tutoring center is closed during semester breaks, weekends, and University holidays.
  - For students who need more attention than the tutoring center can offer, the ASUU Tutoring Center, 330 SSB, offers inexpensive private tutoring ($7 an hour).
  - A list of private tutors is also available from the math department office or the desk in the tutoring center.

**ADA Statement:** The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

**Disclaimer:** All information on this syllabus is subject to change. Students will be notified of any changes on this syllabus, course policies or course outline if they arise throughout the semester.

*Have a great semester!*