
SP 22 Math 390-01: Mathematics and the Profession

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Required Materials

Textbook: More Math Into \LaTeX , 4th edition, by G. Gratzler. \LaTeX is a language for typesetting papers/posters containing mathematical formulas. The textbook is to be used as reference. As opposed to downloading and installing \LaTeX on your personal computers, we will use Overleaf (www.overleaf.com). Students are required to sign up for a free account by the end of the first week of classes.

Prerequisite: A grade of C or better in Math 161 and at least two 300 or 400 level MATH classes with a C or better

Course Aims

Course Description: Students develop practical skills to ready themselves for a career in mathematics. This includes written and oral presentations on mathematical concepts, searching for jobs and graduate programs in mathematics, and developing professional profiles, resumes and cover letters.

Course Objectives: A student completing this course successfully is expected to

- Professionally present mathematical concepts in written and oral formats
- Identify jobs or graduate programs of interest upon graduation
- Produce high quality resumes and cover letters for jobs and programs of interest upon graduation

Student Learning Outcomes: Student learning should include but not be restricted to the following outcomes

- By the end of the course, students should have a working knowledge of \LaTeX for typesetting professional papers and presentations in mathematics.
- By the end of the course, students should be able to professionally present mathematical topics in oral and written formats.
- By the end of the course, students should understand what jobs and programs are available to them upon graduation and where to search for these positions.
- By the end of the course, students should understand the process and expectations for providing professional documents including resumes, cover letters, and professional profiles on networking sites.

Course Assessment

Resume (6%): Students will be introduced to L^AT_EX by preparing a resume. The resume must be checked with Career Services and/or the Writing Center. In addition, students may develop a professional profile on a networking service such as LinkedIn.

Job Review (6%): Students will learn how to search for jobs in statistics. Students must identify and describe at least 5 academic postings (graduate school applications) and at least 5 industry postings that are of personal interest. Then students must write a cover letter for one posting of each type. Cover letters must be checked with Career Services and/or the Writing Center.

Written Reports (56%): Students will be responsible for choosing a mathematical topic to present in four increments. Each written report will constitute 14% of the overall grade. A detailed rubric will be provided.

Oral Presentations (32%): Students will be responsible for presenting chosen topic using Beamer. Each presentation will constitute 8% of the overall grade. A detailed rubric will be provided.

Grade Scale

90-100 A	80-86 B	70-76 C	60-66 D
87-89 B+	77-79 C+	67-69 D+	< 60 F

Closing Remarks

Students with Disabilities: Coastal Carolina University is committed to equitable access and inclusion of individuals with disabilities in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act. Individuals seeking reasonable accommodations should contact **Accessibility & Disability Services** (843-349-2503 or www.coastal.edu/disabilityservices/).

Attendance Policy: Please see the CCU attendance policy in the University Catalog. Attendance at all presentations and discussions is mandatory and will be taken into consideration when final grades are computed. If, for good reason, you are unable to attend class on a presentation day, you must personally notify your mentor and the class instructor. If you fail to give a presentation at the scheduled time, make-up will be at the discretion of the class instructor. If a make-up is granted, it will be given on a date when it will not affect presentations by other students, and it will not be a reason for postponing other presentations by the student granted the make-up.

Classroom Policies: Please be considerate of your fellow classmates and do not act in a disruptive manor. Turn o your cell phones before coming to class, arrive on time, and do not pack up your things before the end of class. If you need to leave the room for any reason (like using the restroom) please do so as quietly as possible. Since your cell phones should be off, this of course means no texting, sending snaps, tweeting, etc.

Expectations: I believe that expectations should be made clear in advance. They should be fair while holding the student to high standards. I strive to make the course clear, fair, organized, and put in adequate time to help you succeed. I respect my students as individuals and have the same expectation in return. I expect you to treat your work and learning in this class with respect and appropriate effort. It will greatly prepare you for life upon graduation. I hope we even have fun in this process! Please let me know as soon as you have trouble or questions. I am here for you!

The instructor reserves the right to make changes to this syllabus during the semester.