

## Math 0500: Syllabus

# MATH 0500 - PROFESSIONAL DEVELOPMENT (SPRING 2021)

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Mondays and Fridays (weeks 1–7)  
Online only

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### **Instructor Information**

Instructor:	Paul Gartside
Office:	Room 406 Thackeray Hall.
Office Hours:	By appointment.
Email:	<a href="mailto:pmg20@pitt.edu">pmg20@pitt.edu</a>
Office Phone:	412-624-7761
Departmental Phone:	412-624-8375

### **Course Materials/Texts**

All necessary materials (printed, software) will be provided at no cost by the instructor.

### **Course Content**

This course is assist participants to:

- efficiently and effectively progress through the program and university by setting broad goals and providing advice on – opportunities to participate in the Department, research experiences, internships, fellowships and more;
- progress towards their career goals (jobs or graduate school) by connecting with relevant people and programs and providing advice on applications and so on; and
- gain fundamental skills including mathematical writing and presentations in  $\text{\LaTeX}$ , and programming.

### **Prerequisites**

Preq: Math 0413 and declared as a math major

## Evaluation

Homework Assignments (6)	80%
Attendance and Participation	20%

Six homework assignments will be graded on a pass/fail basis, receiving a passing grade if they reflect serious attention to the content and aims of the assignment and demonstrate that the student has prepared thoughtfully for the weekly session and its goals.

## Disability Resources and Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disability Resources and Services, 140 William Pitt Union, 412-648-7890 or 412-383-7355 (TTY) as early as possible in the term. DRS will verify your disability and determine reasonable accommodations for this course.

## Academic Integrity

Cheating/plagiarism will not be tolerated. Students suspected of violating the University of Pittsburgh Policy on Academic Integrity will incur a minimum sanction of a zero score for the quiz, exam, or paper in question. Additional sanctions may be imposed, depending on the severity of the infraction.

On homework, you may work with other students or use library resources, but each student must write up his or her solutions independently. Copying solutions from other students will be considered cheating, and handled accordingly.

## Schedule and Outline of Topics:

Week.Day (T1,Fr2)	Topic
1.2	Introductions, departmental information
2.1	L <sup>A</sup> T <sub>E</sub> X 1 (introduction)
2.2	Clubs, activities and competitions
3.1	L <sup>A</sup> T <sub>E</sub> X 2 (writing a research paper)
3.2	L <sup>A</sup> T <sub>E</sub> X 3 (presentations and posters); Presentations how-to
4.1	Careers and Internships 1 (Handshake and LinkedIn)
4.2	Student presentations ‘One Theorem I Love’
5.1	Careers and Internships 2 (resumes, letter writers, applications)
5.2	Programming 1 (python essentials)
6.1	Advising – progress through degree
6.2	Programming 2 (using NumPy and Matplotlib)
7.1	Research experiences & Graduate school
7.2	Wrap-up