

Math 1185 – Honors Linear Algebra – Professor Jonathan Rubin – Fall, 2020 – University of Pittsburgh

An incoming Pitt student should take this course if...

... she took honors math classes throughout high school (at least up through introductory calculus if that was offered in her school) and found the material easy to master, or
... he participated in, enjoyed, and did well in a math program for gifted students outside of school (e.g., a summer program or otherwise).

A Pitt student should take this course if...

... she enjoyed and earned at least a B in Math 0235 (Honors Calculus), or
... they took at least one of Math 0220, 0230, or 0240, found the course easy, and earned an A,
or
...he has not yet taken math at Pitt but fits in one of the categories listed for incoming students.

In general: Honors Math courses at Pitt assume some excitement about mathematics and mathematical maturity from the students involved. I expect that students will be interested not just in learning methods to compute things but also the reasons why these ideas work. They will be expected to read and produce proofs. This course will not involve a heavier workload than standard linear algebra in terms of numbers of problems to solve, but the problems will be more challenging and we will discuss more topics than are covered in the standard course.