Math 61: Introduction to Discrete Structures

- [Math 61: General Course Outline & Catalog Description](#)

Math 61 has two goals. One goal is the introduction of certain basic mathematical concepts, such as equivalence relations, graphs, and trees. The other goal is to introduce non-mathematicians to abstraction and rigor in mathematics. Finite graphs are well-suited to this purpose. Exercises asking for simple proofs are assigned where appropriate.

Roughly half of the students in Math 61 are engineering students in Computer Science. Of the remaining students, many are in business and economics. Relatively few (about one out of ten) have declared as Mathematics majors.

Math 61 is offered each quarter. Recent enrollment statistics are given in the following table.

Recent Enrollment Statistics

Year	Fall	Winter	Spring
1993-1994	91 (1 section)	41 (1 section)	59 (1 section)
1994-1995	106 (1 section)	58 (1 section)	77 (1 section)
1995-1996	105 (2 sections)	74 (1 section)	88 (1 section)
1996-1997	101 (1 section)	73 (1 section)	94 (1 section)
1997-1998	97 (1 section)	110 (1 section)	129 (1 section)
1998-1999	150 (2 sections)	140 (2 sections)	144 (1 section)
1999-2000	124 (2 sections)	161 (2 sections)	144 (2 sections)
2000-2001	198 (2 sections)	232 (2 sections)	122 (1 section)
2001-2002	167 (2 sections)	201 (2 sections)	51 (1 section)
2002-2003	139 (2 sections)	178 (2 sections)	84 (1 section)
2003-2004	66 (1 section)	111 (1 section)	(1 section)