

Textbook Sections, Rosen's *Discrete Mathematics and its Applications*

For CSE 20, the official textbook is the 7th edition of this book. However, if you wish to use an older edition instead, this guide will help you match up corresponding sections of the book. Please be aware that while this textbook does not vary too much from edition to edition, the content of the older books might not be exactly the same as the 7th edition. All posted readings will refer to section numbers in the 7th edition; the topics are listed in order of appearance in the 7th edition. For the order of topics covered in the class, please consult the schedule posted on the class website.

Topic	7th edition	6th edition	5th edition	4th edition
Propositional logic	1.1-1.5	1.1-1.5	1.1-1.4	1.1-1.3
Rules of inference	1.6	1.6		
Proof methods	1.7-1.8	1.7	1.5, 3.1	3.1
Sets and functions	2.1-2.3	2.1-2.3	1.6-1.8	1.4-1.6
Sequences and sums	2.4	2.4	3.2	1.7
Algorithms	3.1	3.1	2.1	2.1
Integer division	4.1	3.4	2.4	2.3
Integer representation and algorithms	4.2	3.6	2.5	2.4
Number theory	4.3 - 4.6	3.5	2.6	2.5
Induction	5	4	3.3-3.5	3.2 - 3.4
Relations	9	8	7	6
Boolean algebra	12	11	10	9