| DATE | SECTION (my notes) | SECTION (textbook) | WHAT'S DUE | TOPIC |
|---|---|---|---|---|
| T 8.29 | 1.1-1.2 | 1.1-1.2 | | Course introduction; propositions and connectives |
| R 8.31 | 1.2-1.3 | 1.2-1.3 | HW 1 1.3 Preview ICA 1 | Conditionals, open sentences and quantifiers |
| T 9.5 | | | | *No class - Labor Day* |
| R 9.7 | 1.4-2.2 | 1.4 | HW 2 1.4 Preview | Rules of inference; introduction to proof |
| T 9.12 | 2.3 | 1.4 | HW 3 ICA 2 | Cases |
| R 9.14 | 2.4-2.6 | 1.5 | HW 4 | Proof by contraposition and contradiction |
| T 9.19 | 2.7-2.10 | 1.6 | HW 5 | Proofs of quantified statements |
| R 9.21 | 3.1 | 2.1 | HW 6 | Introducing sets; review (time permitting) |
| T 9.26 | | | | **EXAM 1:** covers Ch. 1-2 in my lecture notes |
| R 9.28 | 3.2 | 2.2-2.3 | HW 7 3.2 Preview ICA 3 | Set operations |
| T 10.3 | 3.3-3.4 | 2.1 | HW 8 ICA 4 | Subset and set equality proofs |
| R 10.5 | 3.4-3.5 | 2.2 | HW 9 | Properties of set operations |
| T 10.10 | 4.1-4.2 | 3.1-3.2 | HW 10 4.1 Preview | Relations and equivalence relations |
| R 10.12 | 4.2-4.3 | 3.2-3.3 | HW 11 4.3 Preview | Quotient spaces; introduction to functions |
| T 10.17 | 4.4 | 4.1-4.2 | HW 12 | Functions |
| R 10.19 | 4.4-4.5 | 4.2 | HW 13 4.5 Preview | Surjectivity, injectivity |
| T 10.24 | 4.5-4.6 | 4.4 | HW 14 | Bijectivity and inverse functions |
| R 10.26 | 5.1 | 3.4 | HW 15 | Order relations; review (time permitting) |
| T 10.31 | | | | **EXAM 2:** covers Ch. 3-4 in my lecture notes |
| R 11.2 | 5.2-5.3 | 2.4 | HW 16 | Properties of the natural numbers |
| T 11.7 | 5.3 | 2.4 | HW 17 ICA 5 | Proofs by induction |
| R 11.9 | 5.3-5.4 | 2.4 | HW 18 ICA 6 | More on induction |
| T 11.14 | 6.1 | 5.1 | HW 19 6.1 Preview | Cardinality |
| R 11.16 | 6.2 | 5.1 | HW 20 | Finite sets |
| T 11.21 | 6.3 | 5.3 | HW 21 | Countable sets |
| R 11.23 | | | | *No class - Thanksgiving break* |
| T 11.28 | 6.4 | 5.3 | HW 22 | Uncountable sets |
| R 11.30 | | | HW 23 | Presentations |
| T 12.5 | | | | Presentations; review (time permitting) |
| R 12.7 | | | | **EXAM 3:** covers Ch. 5-6 in my lecture notes |
| T 12.12 | | | | **FINAL EXAM** 12-1:40 PM in STR 207 |