

MATH 101 - SETS, GROUPS AND TOPOLOGY
TENTATIVE SCHEDULE

Day	Topic
F, Sep 7	Introduction, HW1 out
M, Sep 10	Types of proofs HW1 due. HW2 out
F, Sep 14	Types of proofs 2 HW2 due. HW3 out
M, Sep 17	Induction HW3 due. HW4 out
F, Sep 21	Sets HW4 due. HW5 out
M, Sep 24	Functions and relations HW5 due. HW6 out
F, Sep 28	Equivalence relations HW6 due. HW7 out
M, Oct 1	Cardinality HW7 due
F, Oct 5	Cardinality 2 Pre-midterm. HW8 out
M, Oct 8	Columbus day (no class)
F, Oct 12	Groups HW8 due. HW9 out
M, Oct 15	Groups and subgroups HW9 due. HW10 out
F, Oct 19	Morphisms of groups HW10 due. HW11 out
M, Oct 22	Cyclic groups HW11 due. HW12 out
F, Oct 26	Lagrange's theorem, cosets HW12 due. HW13 out
M, Oct 29	Quotient groups HW13 due
F, Nov 2	Quotient groups 2 Midterm. HW14 out
M, Nov 5	Axioms for the real line HW14 due. HW15 out
F, Nov 9	The completeness axiom HW15 due. HW16 out
M, Nov 12	Bolzano-Weierstrass HW16 due. HW17 out
F, Nov 16	Continuity HW17 due. HW18 out
M, Nov 19	Open and closed sets HW18 due. HW19 out
F, Nov 23	Thanksgiving (no class)
M, Nov 26	Selected topics HW19 due. HW20 out
F, Nov 30	Selected topics HW20 due
M, Dec 3	Review Final exam
F, Dec 7	No class. Final project due