MATH Fall 2015 MWF 10:20-11:15
Proof and Fundamental Math

Instructor: Pei-Kee Lin Office: DH 241 e-mail id "pklin"
Phone: 3143 Office Hour: MWF 8:10-9:00

Aug 24, 26, 28, 31	Appendix A-H Topology by C. W.Patty
	logic, truth table, set, functions, Cartesian product
	equivalence relations, partial order, countable sets, Ordinal
Sep 2, 4	Axiom of choice etc
Sept 9, 11, 14, 16	limits, continuous, δ-ϵ proof (from calculus)
Sept 18	Exam I
Sept 21, 23, 25, 28, 30	chapter 1 of Patty Topological spaces, metric space, open and closed subset,
	continuous functions
Octo 2, 5, 7	Number theory by D. Burton: Induction, Euclidean algorithm etc
Octo 9, 14	Number theory
Octo 16	Exam II
Octo 19, 21, 23, 26, 28	Abstract algebra by I. N. Herstein: groups
Ocot 30, Nov 2, 4	Abstract Algebra
Nov 6	Exam III
Nov 9, 11, 13, 16, 18, 20, 22	????
Nov 30, Dec 2	Review
Dec 1, 8:00-10:00	Final Exam (check the schedule)

3 Tests	each 100 points
Quizzes and Homework	Total 100 points (may drop one or two lowest quizes grade(s))
Final	200 points

		A	above 558	$A-$	540-557
B^+	522-539	B	498-521	$B-$	480-497
C^+	462-479	C	438-461	$C-$	420-439
		D	360-419		
		F	below 419		