Math 101   **Spring 2010**

Tentative Schedule of Topics, Presentations and Examinations

Date   **Topic**

W	Jan	20	Introduction to mathematical reasoning
F	Jan	22	Ways of proving mathematical statements
M	Jan	25	The real numbers system. Numbers: rational and irrational
W	Jan	27	Properties of real numbers
F	Jan	29	Properties of real numbers (continued)
M	Feb	1	Consequences of completeness
W	Feb	3	Sequences of real numbers
F	Feb	5	Convergence
M	Feb	8	Convergence (continued)
W	Feb	10	Real valued functions of a real variable
F	Feb	12	Limits and continuity
M	Feb	15	Continuity (continued)
W	Feb	17	Review
F	Feb	19	**Exam 1**
M	Feb	22	Functional limits
W	Feb	24	Properties of continuous functions
F	Feb	26	Properties of continuous functions (continued)
M	Mar	1	Properties of continuous functions (continued)
W	Mar	3	Topology of the real line
F	Mar	5	Connected sets and compact sets
M	Mar	8	The intermediate value theorem
W	Mar	10	The intermediate value theorem (continued)
F	Mar	12	Problems
M	Mar	15	*Spring Recess*
W	Mar	17	*Spring Recess*
F	Mar	19	*Spring Recess*
M	Mar	22	Continuous functions over compact sets
W	Mar	24	The extremal value theorem
F	Mar	26	*Cesar Chavez Day* (observed)
M	Mar	29	The extremal value theorem (continued)
W	Mar	31	Review
F	Apr	2	**Exam 2**
M	Apr	5	Special Topic
W	Apr	7	Special Topic
F	Apr	9	Special Topic

Date   **Topic**

M	Apr	12	Special Topic
W	Apr	14	Special Topic
F	Apr	16	Special Topic
M	Apr	19	Special Topic
W	Apr	21	Special Topic
F	Apr	23	Special Topic
M	Apr	26	Special Topic
W	Apr	28	Special Topic
F	Apr	30	Special Topic
M	May	3	Special Topic
W	May	5	Special Topic