Daniel Michl
Concepts of Chemistry and Lab (CHE K 111)
Fall semester 2006
Sect T04 & T4A (CRN 30378 & 30379)
Lectures M and W 0930 a.m. - 1050 a.m., **Labs T 0930 a.m. – 1230 p.m.**

Tentative schedule of assignments and major topics:

Date	Required study *	Topics
T, 29	{*All labs: Study handouts prior to laboratory period.}*	LAB 1 : Orientation: SAFETY, equipment, procedures
W, 30		**Turn in signed safety agreement.**
M, 4 Sep 2006	**Labor Day**	**College closed**
T, 5 Sep	***Remember to bring your goggles every lab session.***	LAB 2 : 1. Quiz on Lab1, then 2. Measurement, incl. density and specific gravity
T, 12 Sep		LAB 3 : Structure of a solid: "blue vitriol"
T, 19 Sep	Sec. 2.5: p.20-23	LAB 4 : Properties of substances
T, 26 Sep	Ch. 6 except	LAB 5 : Representation of
atoms,	section 6.8 (p 169-174)	formula units, molecules
T, 3 October 2006	**All labs to date**	***** LAB PRACTICAL EXAM 1, review, then formulas, names (problem-solving session)**
M, 9 October 2006	**Columbus Day observed**	**Classes NOT in session**

T, 10 Oct	Ch. 10: sect. 10.1 through 10.3 and Ch. 11: pp. 312, Sect. 11.3, Sect. 11.6 and Appendix D	LAB $_{7}$: (problem-solving session in room TBA:_____, balancing equations, molar ratios, stoichiometry
T, 17 Oct	Sect. 11.6 (p.323 +)	LAB $_{8}$: Mass relationships in a reaction (Stoichiometry)
T. 24 Oct		LAB $_{9}$: Qualitative analysis and determining chemical formulas
T, 31 Oct	Ch. 14	LAB $_{10}$: Solutions
T, 7 Oct	Ch 16 & sect. 6.8 (p. 169-174) & Sect. 8.6 (p. 230+)	LAB $_{11}$:Acids, bases, neutralization by titration
T, 14 Oct		Lab $_{12}$: follow-up on solutions then Lab $_{13}$: Some organic tests

T-W, 21-22 Nov 2006 Classes NOT in session but Make-up/Supplemental sessions may be scheduled.

Th-Sun 23-26 Nov 2006 Thanksgiving Recess-College closed.

T, 28 Nov 2006	Labs since first lab exam	***LAB PRACTICAL EXAM $_{2}$, review, then electrolytes/ nonelectrolytes (Demo),
T, 5 Dec	Ch. 19 & 20 & handouts	Modeling: Functional groups, and dehydration synthesis and hydrolysis of polymers of biological importance