

All labs meet in NE 1130								All labs meet in NE 1130	
CHEM 1211L								CHEM 1212L	
Lab Exercise	Page	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Lab Exercise	Page
Orientation/Safety Video and Quiz (mandatory)	7	9-Jan-12	10-Jan-12	11-Jan-12	12-Jan-12	13-Jan-12	14-Jan-12	Orientation/Safety Video and Quiz (mandatory)	7
PREPARATION OF VISCOUS MATERIALS	ONLINE HANDOUT	16-Jan-12	17-Jan-12	18-Jan-12	19-Jan-12	20-Jan-12	21-Jan-12	The Variation of Volume with Temperature	ONLINE HANDOUT
Determination of the Density of Metals	11	23-Jan-12	24-Jan-12	25-Jan-12	26-Jan-12	27-Jan-12	28-Jan-12	Statistics or Graphing using MS Excel (check with instructor; hanouts may be online)	143 or 93
The Synthesis of Aspirin	37	30-Jan-12	31-Jan-12	1-Feb-12	2-Feb-12	3-Feb-12	4-Feb-12	Determination of the Vapor Pressure Of Water	95
Yield and Qualitative Analysis of Aspirin and Synthesis of Manganese Oxalate	43 and 47	6-Feb-12	7-Feb-12	8-Feb-12	9-Feb-12	10-Feb-12	11-Feb-12	Determination of Molar Lass by Freezing Point Depression	159
Volumetric Analysis of Acids and Bases	61	13-Feb-12	14-Feb-12	15-Feb-12	16-Feb-12	17-Feb-12	18-Feb-12	Kinetics 1: The Order of a Reaction	101
Volumetric Analysis Acids and Bases with Biological Indicators	69	20-Feb-12	21-Feb-12	22-Feb-12	23-Feb-12	24-Feb-12	25-Feb-12	Kinetics 2: the Activation Energy of a Reaction	111
Analysis of a Transition Metal Complex I	51	27-Feb-12	28-Feb-12	29-Feb-12	1-Mar-12	2-Mar-12	3-Mar-12	Preparation and Analysis of a Sodium Hydroxide Solution	117
SPRING BREAK		5-Mar-12	6-Mar-12	7-Mar-12	8-Mar-12	9-Mar-12	10-Mar-12	SPRING BREAK	
Analysis of a Transition Metal Compound II	55	12-Mar-12	13-Mar-12	14-Mar-12	15-Mar-12	16-Mar-12	17-Mar-12	Determination of Magnesium Using an EDTA Titration	131
Enthalpy of Reactions	73	19-Mar-12	20-Mar-12	21-Mar-12	22-Mar-12	23-Mar-12	24-Mar-12	Preparation of Buffers	121
Spectrophotometric Analysis of a Potassium Permanganate Solution	29	26-Mar-12	27-Mar-12	28-Mar-12	29-Mar-12	30-Mar-12	31-Mar-12	pH Titration of Vinegar	169
VSEPR	150	2-Apr-12	3-Apr-12	4-Apr-12	5-Apr-12	6-Apr-12	7-Apr-12	Thermodynamics of the Solubility Product Constant as a Function of Temperature	127
Gas Analysis of a Hydrogen Peroxide Solution	83	9-Apr-12	10-Apr-12	11-Apr-12	12-Apr-12	13-Apr-12	14-Apr-12	Redox Titration: Determination of Iron (II) Content in Vitamin Pills	137
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