

Week of:	Experiment	Lab Report Type	1st Draft Due	Final Draft Due
Sept. 2	No lab; Review of concentration units and preparation of solutions in the lecture		T,W,R	T,W,R
Sept. 9	Prelab: Safety in the lab; The lab notebook; Chemical analysis; Quality assurance and quality control (QA/QC); Calibration curves; Preparing a short lab report			
	Expt. 1: Quantitative analysis of FD&C Blue #1 dye in commercial drinks using visible spectrophotometry	Short		9/16,17,18
Sept. 16	Expt. 2: Determination of calcium in urine using a double-beam UV/vis spectrophotometry	None		
Sept. 23	Expt. 3: Determination of UV absorbers in two brands of sunscreen using UV spectrophotometry	Full	10/1,2,3	10/8,9,10
Sept. 30	Expt. 4: Quantitative analysis of calcium and magnesium in urine using flame atomic absorption spectrophotometry	Full	10/8,9,10	10/15,16,17
Oct. 7	<i>No experiment. Instrument training: use of the FTIR, NMR and fluorometer.</i>			
Oct. 14	Expt. 5: Determination of quinine in tonic water by fluorescence spectroscopy	Short		10/22,23,24
	OR			
Oct. 21	Expt. 5: Determination of quinine in tonic water by fluorescence spectroscopy	Short		10/29,30,31
	OR			
	Expt. 6: Determination of two unknown organic compounds using FTIR and NMR	Short		10/29,30,31
Oct. 28	Expt. 7: Identification of Citrus Fruit Extracts by GCMS	Full	11/5,6,7	11/12,13,14
	OR			
	Expt. 8: Qualitative analysis of gasoline additives using GC/FID	Short		11/5,6,7
	<i>Group projects will be assigned; start research on SOP for group project.</i>			
Nov. 6	Expt. 7: Identification of Citrus Fruit Extracts by GCMS	Full	11/12,13,14	11/19,20,21
	OR			
	Expt. 8: Qualitative analysis of gasoline additives using GC/FID	Short		11/12,13,14
	<i>Continue research on SOP for group project.</i>			
Nov. 13	No experiment (Wednesday is a Monday schedule); SOP for assigned project due.			
Nov. 20	Continue work on group project			
Dec. 4	Group project must be completed			
Dec. 11	Presentation of group projects during lecture.			