

Start/End Dates

Meeting Days

Meeting Times

Location

Instructor

Course Topic (if applicable)

## CHEMISTRY

## Chemistry

**CHEM 100 CHEMISTRY FOR THE CONSUMER (GL) ... A critical examination of those chemical products which have a significant impact upon the daily life of the consumer. Attention will be focused from the consumer viewpoint upon food additives, prescription and non-prescription drugs, fuels, pesticides, detergents, synthetic fibers and plastics. Meets General Studies laboratory science requirements.**

**COREQ: MATH 141 OR MATH 140 OR WAIVER**

#2350	Section 01	[units: 4]	Gen Ed Laboratory (GL)				
	09/07-12/23	M	09:00 AM - 10:40 AM	UH0244	Jessica L Bonjour		
	09/07-12/23	TR	02:00 PM - 03:15 PM	UH0145	Jessica L Bonjour		
#2351	Section 02	[units: 4]	Gen Ed Laboratory (GL)				
	09/07-12/23	R	09:00 AM - 10:40 AM	UH0244	Kimberly K Naber		
	09/07-12/23	TR	02:00 PM - 03:15 PM	UH0145	Jessica L Bonjour		
#2352	Section 03	[units: 4]	Gen Ed Laboratory (GL)				
	09/07-12/23	W	11:00 AM - 12:40 PM	UH0244	Jessica L Bonjour		
	09/07-12/23	TR	02:00 PM - 03:15 PM	UH0145	Jessica L Bonjour		
#2353	Section 04	[units: 4]	Gen Ed Laboratory (GL)				
	09/07-12/23	M	12:00 PM - 01:40 PM	UH0244	Jessica L Bonjour		
	09/07-12/23	TR	02:00 PM - 03:15 PM	UH0145	Jessica L Bonjour		
#3648	Section 05	[units: 4]	Gen Ed Laboratory (GL)				
	09/07-12/23	M	05:00 PM - 06:40 PM	UH0244	Kimberly K Naber		
	09/07-12/23	TR	02:00 PM - 03:15 PM	UH0145	Jessica L Bonjour		

**CHEM 102 INTRODUCTORY CHEMISTRY (GL) ... An introduction to the general concepts of chemistry including matter and energy, atomic and molecular structure, bonding, reactions and stoichiometry, gas laws, changes of state, thermochemistry, acid-base theory, solutions, colloids, kinetics, equilibria and electrochemistry.**

**PREREQ: MATH 141 WITH A GRADE OF C OR BETTER OR WAIVER.**

#2355	Section 01	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	M	08:00 AM - 10:45 AM	UH0242	Christopher T Veldkamp		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		
#2421	Section 02	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	T	08:00 AM - 10:45 AM	UH0242	Sarah Hosseini		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		
#2419	Section 03	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	W	08:00 AM - 10:45 AM	UH0242	Steven N Girard		
	09/07-12/23	MTWR	11:00 AM - 11:50 AM	UH0140	Steven N Girard		
#2378	Section 04	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	R	08:00 AM - 10:45 AM	UH0242	Sarah Hosseini		
	09/07-12/23	MTWR	11:00 AM - 11:50 AM	UH0140	Steven N Girard		
#2357	Section 05	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	F	11:00 AM - 01:45 PM	UH0244	Catherine W Chan		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		
#4037	Section 05X	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	F	11:00 AM - 01:45 PM	UH0244	Catherine W Chan		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		
#2383	Section 06	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	M	02:00 PM - 04:45 PM	UH0242	Christopher T Veldkamp		
	09/07-12/23	MTWR	11:00 AM - 11:50 AM	UH0140	Steven N Girard		
#2376	Section 07	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	T	02:00 PM - 04:45 PM	UH0242	Steven N Girard		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		
#2381	Section 08	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	W	02:00 PM - 04:45 PM	UH0242	Steven N Girard		
	09/07-12/23	MTWR	11:00 AM - 11:50 AM	UH0140	Steven N Girard		
#2382	Section 09	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	R	02:00 PM - 04:45 PM	UH0242	Hephzibah J Kumpaty		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		
#2385	Section 10	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	T	05:00 PM - 07:45 PM	UH0242	John W Ejniak		
	09/07-12/23	MTWR	11:00 AM - 11:50 AM	UH0140	Steven N Girard		
#2386	Section 11	[units: 5]	Gen Ed Laboratory (GL)				
	09/07-12/23	W	05:00 PM - 07:45 PM	UH0242	Hassimi Traore		
	09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber		

Start/End Dates	Meeting Days	Meeting Times	Location	Instructor	Course Topic (if applicable)
#2388 Section 12 [units: 5]	Gen Ed Laboratory (GL)	NOTE: For Lab contracts MUST be completed by Friday of the first week of classes for the Chemistry department to honor them.	Contract students only. Lab contracts are available for this class.	Dept. Consent	
09/07-12/23	Arranged	Arranged		Kimberly K Naber	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber	
#4628 Section 15 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	F	08:00 AM - 10:45 AM	UH0244	Hassimi Traore	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber	
#4630 Section 16 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	R	05:00 PM - 07:45 PM	UH0244	Christopher T Veldkamp	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0145	Kimberly K Naber	
#4740 Section 17 [units: 5]	Gen Ed Laboratory (GL)	NOTE: Restricted to students in the Stoughton High School PIE cohort.			
09/07-12/23	Arranged	Arranged	OFF CAMPUS	Eric Benedict	PIE PROGRAM
09/07-12/23	Arranged	Arranged	OFF CAMPUS	Kimberly K Naber	PIE PROGRAM
09/07-12/23	Arranged	Arranged	OFF CAMPUS	Catherine W Chan	PIE PROGRAM

**CHEM 104 INTRODUCTORY CHEMISTRY (GL) ... A continuation of CHEM 102.****PREREQ: CHEM 102**

#2359 Section 01 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	T	08:00 AM - 10:30 AM	UH0244	Christopher T Veldkamp	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0140	Hassimi Traore	
#2360 Section 02 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	W	08:00 AM - 10:45 AM	UH0244	Baocheng Han	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0140	Hassimi Traore	
#2361 Section 03 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	M	02:00 PM - 04:45 PM	UH0244	Baocheng Han	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0140	Hassimi Traore	
#2373 Section 04 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	T	02:00 PM - 04:45 PM	UH0244	Hassimi Traore	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0140	Hassimi Traore	
#2377 Section 05 [units: 5]	Gen Ed Laboratory (GL)				
09/07-12/23	W	02:00 PM - 04:45 PM	UH0244	Steven W Anderson	
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0140	Hassimi Traore	
#2390 Section 06 [units: 5]	Gen Ed Laboratory (GL)	NOTE: This section is restricted to students with Lab Contracts.			Dept. Consent
09/07-12/23	Arranged	Arranged		Hassimi Traore	LAB CONTRACTS ONLY
09/07-12/23	MTWR	12:00 PM - 12:50 PM	UH0140	Hassimi Traore	

**CHEM 184 INTRODUCTION TO CHEMISTRY ... An introduction to career tracks and career opportunities in chemistry. This course will feature readings on different career possibilities in chemistry and visiting lectures by practicing chemists. Professional skills, identification of career tracks, and scientific and technical communication will be emphasized. One hour lecture per week.**

**PREREQ: DECLARED CHEMISTRY MAJOR OR PERMISSION OF INSTRUCTOR**

#2394 Section 01 [units: 1]					
09/07-12/23	T	01:00 PM - 01:50 PM	UH0150	Hephzibah J Kumpaty	
S/NC Grading Basis Only					

**CHEM 251 ORGANIC CHEMISTRY ... Introductory chemistry of the compounds of carbon, their structures and reactions. Taken primarily by chemistry majors and pre-professional students. The foundation for understanding organic reactions is established with an emphasis on bonding, functional groups, three dimensional structure of organic molecules, relationship between structure and reactivity, kinetics, and reaction mechanisms. Three hours of lecture per week.**

**PREREQ: CHEM 104**

#2362 Section 01 [units: 3]					
09/07-12/23	MWF	09:00 AM - 09:50 AM	UH0143	Steven W Anderson	
#2389 Section 02 [units: 3]					
09/07-12/23	TR	11:00 AM - 12:15 PM	UH0144	Hephzibah J Kumpaty	

**CHEM 252 ORGANIC CHEMISTRY ... A continuation of CHEM 251. The goal is to further examine the structure & reactivity relationship with emphasis on reactions and synthesis. It also illustrates how structural features considered in 251, combined with organic reactions learned in 252, can be sources of insight in the overall design of natural products and synthesized materials. Three hours of lecture per week.**

**PREREQ: CHEM 251**

#2363 Section 01 [units: 3]					
09/07-12/23	MWF	09:00 AM - 09:50 AM	UH0144	Sarah Hosseini	

**CHEM 260 INTRODUCTION TO INORGANIC CHEMISTRY ... CHEM 260 is an introduction to inorganic chemistry with emphasis on descriptive chemistry, bonding theories, acid-based theories, coordination chemistry and solid state chemistry.**

**PREREQ: CHEM 104**

#2391 Section 01 [units: 4]					
09/07-12/23	M	02:00 PM - 04:45 PM	UH0240	Paul G House	
09/07-12/23	MWF	01:00 PM - 01:50 PM	UH0236	Paul G House	

*Start/End Dates Meeting Days Meeting Times Location Instructor Course Topic (if applicable)*

**CHEM 261 ORGANIC CHEMISTRY LABORATORY ... Basic organic manipulative techniques and simpler syntheses are considered. Spectroscopic topics are introduced. Generally taken concurrently with CHEM 251. Two three-hour laboratories per week.**

**COREQ: CHEM 251**

#2364	Section 01	[units: 2]					
	09/07-12/23	TR	08:00 AM - 10:45 AM	UH0246	Jessica L Bonjour		
#2365	Section 02	[units: 2]					
	09/07-12/23	MW	11:00 AM - 01:45 PM	UH0246	Hephzibah J Kumpaty		
#2374	Section 03	[units: 2]					
	09/07-12/23	TR	11:00 AM - 01:45 PM	UH0246	Sarah Hosseini		
#2387	Section 04	[units: 2]					
	09/07-12/23	TR	02:00 PM - 04:45 PM	UH0246	Steven W Anderson		

**CHEM 352 QUANTITATIVE ANALYSIS ... An introduction to volumetric, gravimetric and photometric techniques and fundamental methods of instrumental analysis. Three one-hour lectures and two three-hour laboratory periods per week. (Fall only)**

**PREREQ: CHEM 104**

#2367	Section 01	[units: 5]					
	09/07-12/23	MW	08:00 AM - 10:45 AM	UH0247	Kimberly K Naber		
	09/07-12/23	MWF	12:00 PM - 12:50 PM	UH0144	John W Ejnik		
#2368	Section 02	[units: 5]					
	09/07-12/23	TR	08:00 AM - 10:45 AM	UH0247	Baocheng Han		
	09/07-12/23	MWF	12:00 PM - 12:50 PM	UH0144	John W Ejnik		
#2375	Section 03	[units: 5]					
	09/07-12/23	MW	02:00 PM - 04:45 PM	UH0247	John W Ejnik		
	09/07-12/23	MWF	12:00 PM - 12:50 PM	UH0144	John W Ejnik		

**CHEM 370 PHYSICAL CHEMISTRY ... The general principles governing the behavior of matter are investigated. Topics include atomic structure and quantum mechanics, spectroscopy and topics in solid state chemistry. Three hours of lecture weekly. (Fall only)**

**PREREQ: CHEM 352, COREQ MATH 254 AND PHYSCS 181 OR PHYSCS 141**

#2369	Section 01	[units: 3]					
	09/07-12/23	TR	12:30 PM - 01:45 PM	UH0236	Paul G House		

**CHEM 454 BIOCHEMISTRY OF MACROMOLECULES ... The chemistry of the major compounds of living organisms, e.g., proteins, carbohydrates, lipids and nucleic acids, are studied. Meets for 3 lectures/week, and is required for all Chemistry majors.**

**PREREQ: BIOLOGY 120 OR BIOLOGY 141 (OR EQUIVALENT) WITH A C OR BETTER AND CHEM 251 OR CONSENT OF INSTRUCTOR**

#2384	Section 01	[units: 3]					
	09/07-12/23	TR	11:00 AM - 12:15 PM	UH0142	Christopher T Veldkamp		

**CHEM 455 ADVANCED ORGANIC CHEMISTRY ... Lectures on advanced topics in organic chemistry. (Fall only)**

**PREREQ: CHEM 252**

#2371	Section 01	[units: 3]					
	09/07-12/23	TR	09:30 AM - 10:45 AM	UH0236	Steven W Anderson		

**CHEM 470 EXPERIMENTAL PHYSICAL CHEMISTRY ... A laboratory course in experimental physical chemistry. Experiments from various areas of physical chemistry will be performed. Three hours of laboratory per week. (Fall only)**

**COREQ: CHEM 370**

#2370	Section 01	[units: 1]					
	09/07-12/23	M	05:00 PM - 07:45 PM	UH0247	Paul G House		

**CHEM 484 TOPICS IN CHEMISTRY ... A course where students will use chemical and scientific literature, introduction to the seminar concept, participation in studies and discussion of current developments in chemistry. The student will review a topic and present that topic orally and in writing. This course may not be used as part of the Chemistry minor.**

**PREREQ: JUNIOR/SENIOR STATUS OR CONSENT OF INSTRUCTOR**

#2372	Section 01	[units: 0.5-1]					
	09/07-12/23	F	12:00 PM - 12:50 PM	UH0236	Hassimi Traore		
	S/NC Grading Basis Only						

**CHEM 488 SENIOR HONORS THESIS ... The senior honors thesis is a requirement of the honors program which is designed to recognize a student's exceptional dedication and ability. Students will complete a substantial research project in their senior year. Results must be written up as a thesis, presented in a seminar, and defended orally.**

**PREREQ: SENIOR STANDING AND CHEM 498**

#2417	Section 02	[units: 1]					
	09/07-12/23	Arranged	Arranged		John W Ejnik		

**CHEM 492 SUPERVISED TEACHING AIDE ... This course provides students with teaching experience in a college-level chemistry laboratory course they have previously taken. It includes instruction on how to best operate as a teaching aide and in depth instruction on the experiments and instrumentation used in that chemistry course. Prereq: Instructor consent**

#2415	Section 01	[units: 1-2]					
	09/07-12/23	Arranged	Arranged		Paul G House		
	S/NC Grading Basis Only						

Dept. Consent

<i>Start/End Dates</i>	<i>Meeting Days</i>	<i>Meeting Times</i>	<i>Location</i>	<i>Instructor</i>	<i>Course Topic (if applicable)</i>
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**CHEM 493 CHEMISTRY INTERNSHIP ... Variable Topics**

#4798 Section 01 [units: 1-3]

Dept. Consent

09/07-12/23 Arranged Arranged

Steven W Anderson

S/NC Grading Basis Only

**CHEM 498R INDEPENDENT STUDY - UNDERGRADUATE RESEARCH ... Study of a selected topic or topics under the direction of a faculty member.****Repeatable for a maximum of 6 credits in major/degree. Credits in this course may not be used to fulfill minor requirements in Chemistry.**

#2379 Section 01 [units: 0.5-3]

Dept. Consent

09/07-12/23 Arranged Arranged

Hephzibah J Kumpaty