

## CHEM Chemistry

as of 04-Dec-2018 12:54 PM

Fall Term 2017

<b>5516</b>	<b>PRIN OF CHEM:ENERG &amp; DYNAMICS</b> CHEM 115 or placement examination	(Q)	<b>116</b>	U:6	L:44	APR	Stefan Debbert	09:50-11:00 MWF 08:00-11:00 T 01:00-04:00 T	STEI 102 STEI 116 STEI 116
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>191</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required		<b>195</b>	U:Variable			Staff	Arranged	
<b>5519</b>	<b>ANALYTICAL CHEMISTRY</b> CHEM 116, placement exam, or consent of instructor		<b>210</b>	U:6			Deanna L. Donohoue	09:50-11:00 MWF 01:00-04:00 TR	YOUN 041 STEI 122
<b>5981</b>	<b>NANOSCIENCE &amp; NANOTECHNOLOGY</b> At least one introductory course sequence in either chemistry (115, 116) or physics (150, 160 or 120, 130)		<b>225</b>	U:6			Christopher J. Hawley	09:00-10:50 TR	STEI 230
<b>5520</b>	<b>BIOCHEMISTRY I</b> CHEM 250 or concurrent enrollment, or consent of instructor		<b>340</b>	U:6	L:28		David J. Hall	09:50-11:00 MWF 08:00-11:00 T 01:00-04:00 T	BRIG 421 STEI 216 STEI 216
<b>5523</b>	<b>SEM: PERSPECTIVES ON CHEMISTRY</b> Sophomore standing; offered annually in the Fall Term		<b>380</b>	U:1	S/U Only		David J. Hall	03:10-04:20 F	STEI 202
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.		<b>390</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>391</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required		<b>395</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>399</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.		<b>590</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>591</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required		<b>595</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>599</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.		<b>690</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>691</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required		<b>695</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>699</b>	U:Variable			Staff	Arranged	

## CHEM Chemistry

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Winter Term 2018

<b>1509</b>	<b>PRIN OF CHEM:STRUCT &amp; REACTIV</b> Placement examination	(Q)	<b>115</b>	U:6	L:44		David J. Hall	09:50-11:00 MWF 08:00-11:00 T 01:00-04:00 T	YOUN 041 STEI 116 STEI 116
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>191</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required		<b>195</b>	U:Variable			Staff	Arranged	
<b>1513</b>	<b>ORGANIC CHEMISTRY I</b> CHEM 116 or 119 or consent of instructor		<b>250</b>	U:6	L:60		Stefan Debbert Graham T. Sazama	01:50-03:00 MWF 08:00-12:00 T 12:30-04:30 T 12:30-04:30 R	STEI 102 STEI 222 STEI 222 STEI 222
<b>1512</b>	<b>PHYSICAL CHEMISTRY I</b> MATH 150, PHYS 150, CHEM 116; or consent of instructor		<b>370</b>	U:6			Allison M. M. Fleshman	08:30-09:40 MWF	STEI 127
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.		<b>390</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.		<b>391</b>	U:Variable			Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required		<b>395</b>	U:Variable			Staff	Arranged	

<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>399</b>	U:Variable		Staff	Arranged	
<b>1519</b>	<b>INSTRUMENTAL ANALYSIS</b> CHEM 210 or consent of instructor	<b>410</b>	U:6		Deanna L. Donohoue	09:00-10:50 TR 01:00-04:00 T	YOUN 041 STEI 122
<b>1517</b>	<b>ADVANCED INORGANIC CHEMISTRY</b> CHEM 250, CHEM 320, and CHEM 370; or consent of instructor	<b>420</b>	U:6		Graham T. Sazama	01:50-03:00 MWF	STEI 127
<b>2039</b>	<b>BIOCHEMISTRY OF VIRUSES</b> CHEM 340 or BIOL 354	<b>445</b>	U:6		David J. Hall	11:10-12:20 MWF	YOUN 218
<b>1518</b>	<b>SEM:CHEMICAL LITERATURE</b> Junior standing, or consent of instructor	<b>480</b>	U:2	S/U Only	Deanna L. Donohoue	03:10-04:20 M	STEI 102
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.	<b>590</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>591</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required	<b>595</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>599</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.	<b>690</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>691</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required	<b>695</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>699</b>	U:Variable		Staff	Arranged	

### CHEM Chemistry

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Spring Term 2018

<b>3521</b>	<b>PRIN OF CHEM:ENERG &amp; DYNAMICS</b> CHEM 115 or placement examination	(Q) <b>116</b>	U:6	L:66 APR	Allison M. M. Fleshman Mike Clement	09:50-11:00 MWF 08:00-11:00 T 01:00-04:00 T 08:00-11:00 R	STEI 102 STEI 116 STEI 116 STEI 116
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>191</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required	<b>195</b>	U:Variable		Staff	Arranged	
<b>3526</b>	<b>ORGANIC CHEMISTRY II</b> CHEM 250	<b>252</b>	U:6	L:40	Stefan Debbert	01:50-03:00 MWF 08:00-12:00 T 12:30-04:30 T	STEI 102 STEI 222 STEI 222
<b>3529</b>	<b>INORGANIC CHEMISTRY</b> CHEM 116 or 119 or consent of instructor	<b>320</b>	U:6		Graham T. Sazama	12:30-01:40 MWF 08:00-11:00 R	MAIN 401 STEI 222
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.	<b>390</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>391</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required	<b>395</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>399</b>	U:Variable		Staff	Arranged	
<b>3524</b>	<b>BIOCHEMISTRY II</b> CHEM 340 or consent of instructor	<b>440</b>	U:6	Cross-listed as BIOL 455	David J. Hall	11:10-12:20 MWF	MAIN 401
<b>3530</b>	<b>PHYSICAL CHEMISTRY II</b> MATH 150 and CHEM 370; or consent of instructor	<b>470</b>	U:6		Christopher J. Hawley	08:30-09:40 MWF	STEI 127
<b>CNTR</b>	<b>TUTORIAL IN CHEMISTRY</b> Counter Registration Required.	<b>590</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>591</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required	<b>595</b>	U:Variable		Staff	Arranged	
<b>CNTR</b>	<b>INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>599</b>	U:Variable		Staff	Arranged	
<b>3525</b>	<b>SENIOR SEMINAR</b>	<b>680</b>	U:3	S/U Only	Graham T. Sazama David J. Hall	03:10-04:20 M	STEI 202

<b>CNTR TUTORIAL IN CHEMISTRY</b> Counter Registration Required.	<b>690</b> U:Variable	Staff	Arranged
<b>CNTR DIRECTED STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>691</b> U:Variable	Staff	Arranged
<b>CNTR INTERNSHIP IN CHEMISTRY</b> Sophomore standing; Counter Registration Required	<b>695</b> U:Variable	Staff	Arranged
<b>CNTR INDEPENDENT STUDY IN CHEMISTRY</b> Counter Registration Required.	<b>699</b> U:Variable	Staff	Arranged