Curriculum

❒ Undergraduate Course

Classification	Subject No.	Subject Name	Lecture:Lab.:Credit (Homework)	Semester	Remark
Mandatory Major Course	CH 211	Physical Chemistry I	3:0:3(3)	Spring	
	CH 213	Physical Chemistry II	3:0:3(3)	Fall	
	CH 221	Organic Chemistry I	3:0:3(3)	Spring	
	CH 222	Organic Chemistry Experiment I	0:6:2(3)	Spring	
	CH 223	Organic Chemistry II	3:0:3(3)	Fall	
	CH 224	Organic Chemistry Experiment II	0:6:2(3)	Fall	
	CH 261	Analytical Chemistry	3:0:3(3)	Spring	
	CH 262	Analytical Chemistry Experiment	0:6:2(3)	Spring	
	CH 314	Physical Chemistry Experiment	0:6:2(2)	Spring	
	CH 341	Inorganic Chemistry I	3:0:3(3)	Spring	
	CH 342	Inorganic Chemistry II	3:0:3(3)	Fall	
	CH 343	Inorganic Chemistry Experiment	0:6:2(3)	Fall	
	CH 381	Biochemistry I	3:0:3(3)	Fall	
	CH 483	Biochemistry Experiment	0:6:2(3)	Spring	
Elective Major Course	CH 315	Physical Chemistry III	3:0:3(3)	Spring	
	CH 316	Physical Chemistry IV	3:0:3(3)	Fall	
	CH 325	Organic Chemistry III	3:0:3(3)	Spring	
	CH 336	Physical Organic Chemistry	3:0:3(3)	Fall	
	CH 417	Chemical Reaction Dynamics	3:0:3(3)	Fall	**
	CH 418	Computational Chemistry	2:3:3(3)	Fall	**
	CH 437	Organic Structure Analysis	3:0:3(3)	Fall	**
	CH 444	Inorganic Chemistry III	3:0:3(3)	Spring	
	CH 463	Instrumental Analysis	3:0:3(3)	Fall	**
	CH 471	Polymer Chemistry	3:0:3(3)	Fall	**
	CH 482	Biochemistry II	3:0:3(3)	Spring	
Research	CH 490	B.S. Thesis Research	0:6:3		
	CH 495	Individual Study	0:6:1		

** This course can be taken by students in either undergraduate or master's program.

❒ Graduate Course

Classification	Subject No.	Subject Name	Lecture:Lab.:Credit (Homework)	Semester	Remark
Elective Major Course	CH 502	Quantum Chemistry I	3:0:3(3)	Spring	**
	CH 503	Statistical Thermodynamics I	3:0:3(3)	Fall	**
	CH 521	Advanced Organic Chemistry	3:0:3(3)	Spring	
	CH 522	Organic Synthesis I	3:0:3(3)	Spring	**
	CH 523	Organic Synthesis II	3:0:3(3)	Fall	
	CH 541	Advanced Inorganic Chemistry	3:0:3(3)	Spring	**
	CH 542	Organometallic Chemistry	3:0:3(3)	Fall	**
	CH 581	Advanced Biochemistry	3:0:3(3)	Spring	
Elective Course	CH 604	Quantum Chemistry II	3:0:3(3)	Spring or	
	CH 605	Statistical Thermodynamics II	3:0:3(3)	Fall	
	CH 606	Chemical Reaction Dynamics	3:0:3(3)	〃	
	CH 607	Surface Chemistry	3:0:3(3)	〃	
	CH 609	Electrochemistry	3:0:3(3)	〃	
	CH 610	NMR Spectroscopy	3:0:3(3)	〃	
	CH 626	Natural Products	3:0:3(3)	〃	
	CH 627	Heterocyclic Chemistry	3:0:3(3)	〃	
	CH 628	Organometallic Reactions	3:0:3(3)	〃	
	CH 632	Stereochemistry of Organic Chemistry	3:0:3(3)	〃	
	CH 644	Bioinorganic Chemistry	3:0:3(3)	〃	
	CH 645	Catalysis Chemistry	3:0:3(3)	〃	
	CH 646	Solid State Chemistry	3:0:3(3)	〃	
	CH 671	Organic Chemistry of High Polymers	3:0:3(3)	〃	
	CH 672	Specialty Polymer Chemistry	3:0:3(3)	〃	
	CH 673	Polymer Physical Chemistry	3:0:3(3)	〃	
	CH 711	Special Topics in Physical Chemistry I	3:0:3(3)	〃	
	CH 712	Special Topics in Physical Chemistry II	3:0:3(3)	〃	
	CH 713	Special Topics in Physical Chemistry III	3:0:3(3)	〃	
	CH 733	Special Topics in Organic Chemistry I	3:0:3(3)	〃	
	CH 734	Special Topics in Organic Chemistry II	3:0:3(3)	〃	
	CH 735	Special Topics in Organic Chemistry III	3:0:3(3)	〃	
	CH 746	Special Topics in Inorganic Chemistry I	3:0:3(3)	〃	
	CH 747	Special Topics in Inorganic Chemistry II	3:0:3(3)	〃	
	CH 773	Special Topics in Polymer Chemistry I	3:0:3(3)	〃	
	CH 774	Special Topics in Polymer Chemistry II	3:0:3(3)	〃	
	CH 782	Special Topics in Biochemistry I	3:0:3(3)	〃	
	CH 783	Special Topics in Biochemistry II	3:0:3(3)	〃	
	CH 791	Special Topics in Contemporary Chemistry I	3:0:3(3)	Spring	
	CH 792	Special Topics in Contemporary Chemistry II	3:0:3(3)	Fall	
Research	CH 960	Thesis / Dissertation Research (Master)			
	CH 980	Thesis / Dissertation Research (Doctoral)			
	CH 966	Seminar (Master)	1:0:1		
	CH 986	Seminar (Doctoral)	1:0:1		

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