



COURSE #	SLO		FA 2015	Spr 2016	FA 2016	Spr 2017	FA 2017	Spr 2018	FA 2018
CHEM 115T	1	Demonstrate a working knowledge of the language of chemistry.						X	
	2	Apply quantitative reasoning to chemical problems						X	
	3	Apply a laws and theories to explain and predict the properties of atoms and molecules						X	
	4	Employ laboratory equipment and techniques to collect, organize and evaluate experimental data.						X	
CHEM 116	1	Demonstrate a working knowledge of the language of organic and biochemistry.	ASP					X	
	2	Employ the concept of organic functional groups to predict both chemical and physical properties of an organic molecule.	ASP					X	
	3	Apply the concept of structure and function to predict properties of biomolecules.	ASP					X	
CHEM 116T	1	Demonstrate a working knowledge of the language of organic and biochemistry.							
	2	Employ the concept of organic functional groups to predict both chemical and physical properties of an organic molecule.							
	3	Apply the concept of structure and function to predict properties of biomolecules.							
CHEM 120	1	Demonstrate a working knowledge of the language of chemistry.		AAR					X
	2	Apply quantitative reasoning to chemical problems.		AAR					X
	3	Apply laws and theories to explain and predict the properties of atoms and molecules.		AAR					X
	4	Employ laboratory equipment and techniques to collect, organize, and evaluate experimental data.		AAR					X



COURSE #	SLO		FA 2015	Spr 2016	FA 2016	Spr 2017	FA 2017	Spr 2018	FA 2018
CHEM 142T	1	Demonstrate a working knowledge of the language of chemistry.				X			
	2	Apply quantitative reasoning to chemical problems				X			
	3	Apply a laws and theories to explain and predict the properties of atoms and molecules.				X			
	4	Employ laboratory equipment and techniques to collect, organize and evaluate experimental data.				X			
CHEM 199	1	Students will be able to identify, examine, and assess a component of the discipline in a study of individualized content							
CHEM 231	1	Demonstrate a working knowledge of the language of organic chemistry.	ASP						
	2	Recognize the major functional groups of organic compounds.	ASP						
	3	Predict the major products of chemical reactions of representative organic functional groups.	ASP						
	4	Apply a theoretical approach to explain the chemical and physical behavior of organic compounds.	ASP						
	5	Employ laboratory equipment and techniques to collect, analyze and evaluate experimental data.	ASP						
CHEM 231T	1	Demonstrate a working knowledge of the language of organic chemistry.							
	2	Recognize the major functional groups of organic compounds.							
	3	Predict the major products of chemical reactions of representative organic functional groups.							
	4	Apply a theoretical approach to explain the chemical and physical behavior of organic compounds.							

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	5	Employ laboratory equipment and techniques to collect, analyze and evaluate experimental data.							
CHEM 232	1	Demonstrate a working knowledge of the language of organic chemistry.	ASP						
	2	Recognize the major functional groups of organic compounds.	ASP						
	3	Predict the major products of chemical reactions of representative organic functional groups.	ASP						
	4	Apply a theoretical approach to explain the chemical and physical behavior of organic compounds.	ASP						
	5	Employ laboratory equipment and techniques to collect, analyze and evaluate experimental data.	ASP						
CHEM 232T	1	Demonstrate a working knowledge of the language of organic chemistry.							
	2	Recognize the major functional groups of organic compounds.							
	3	Predict the major products of chemical reactions of representative organic functional groups.							
	4	Apply a theoretical approach to explain the chemical and physical behavior of organic compounds.							
	5	Employ laboratory equipment and techniques to collect, analyze and evaluate experimental data.							
CHEM 299	1	299A: Students will be able to define and analyze components of the discipline within a specialized topic of the discipline.							

COURSE #	SLO		FA 2015	Spr 2016	FA 2016	Spr 2017	FA 2017	Spr 2018	FA 2018
		299B: Students will be able to define, analyze, and synthesize components of the discipline within a specialized topic of the discipline.							









Spr 2019	FA 2019	Spr 2020	FA 2020	Spr 2021
	X			
	X			
	X			
	X			
	X			
		X		
		X		
		X		
		X		

Spr 2019	FA 2019	Spr 2020	FA 2020	Spr 2021
		X		
			X	
			X	
			X	
			X	
			X	
				X
				X
				X
				X
				X

Spr 2019	FA 2019	Spr 2020	FA 2020	Spr 2021