

ASSESSMENT PLAN: MS Chemistry

Date Updated: 11/1/2011

PURPOSE AND MISSION

[CSUEB Missions, Commitments, and ILOs, 2012](#)

PURPOSE AND LEARNING OUTCOMES (PLoS)

	4 Quantitative, report to in! "The proportion of students in each "e-e" 0 =, 2/ =, /0 =, >/ =, 100 = ! correct for each . Section
	Instructors for Chem & ' 1, 6 assessment 1 ep
	3a ^m 2020
	Internal assessment of results 9th planning to address shortcomings

Year - : "#"+"#"

	PLO -
	Yes
	!omni!ate ideas, perspectives, and +a"ses ! "ear" and pers\$asi+e" 9hi"e "listening open" to others; demonstrate expertise and integration of ideas, methods, theor and pra!ti!e in a spe!ia"i#ed dis!ip"ine of st\$d %
	Chem & / 1 () rad\$ate Ph si!a" Chemistr *
	<ul style="list-style-type: none"> 1% <emonstrate and app" the mathemati!a" mode"s of . \$ant\$m theor 2% 3orm\$"ate and app" . \$ant\$m theor to mode" the , eha+ior of atoms and mo"e!\$"es '% Uti"i#e approximation te!hni. \$es and assess their +a"dit -% <e+e"op the semi0!"assi!a" theor of intera!tion , et9een "ight and matter
	Em, edded Exam 4\$estions
	3ina" Exam
	4 Quantitative, report to in! "The proportion of students in each "e-e" 0 =, 2/ =, /0 =, >/ =, 100 = ! correct for each . Section
	Instructors for Chem & / 1, 6 assessment 1 ep
	3a ^m 2021
	Internal assessment of results 9th planning to address shortcomings

Year . : "#"+"#",

	PLO /
	Yes
	demonstrate expertise and integration of ideas, methods, theor and pra!ti!e in a spe!ia"i#ed dis!ip"ine of st\$d %
	Chem & ' 1 () rad\$ate Organi! Chemistr *
	<ul style="list-style-type: none"> 1% predi!t the geometri! str\$!t\$re, rea!ti+it and other properties of organi! mo"e!\$"es 2% predi!t the !onformation" preferen!e of organi! mo"e!\$"es and the stereo!hemi!a" preferen!e in rea!tions '% des!ri, e different t pes of rea!ti+e intermediates and their importan!e in rea!tions -% e+a"date and app" different te!hni. \$es for the determination of me!hanisms of organi! rea!tions /% predi!t prod\$!ts or design s ntheses of !ar, on0!ar, on , ond formation rea!tions &% determine str\$!t\$re of organi! mo"e!\$"es thro\$gh \$se of l1, 2M1, and mass spe!trometer %
	Em, edded Exam 4\$estions
	3ina" Exam

