CATALOG YEAR 2015-2016

COLLEGE/SCHOOL/SECTION:  

Course:  Add:  Delete:  
(check all that apply) Change:  Number  Title  SCH  Description  Prerequisite  
Response Required:  New course will be part of major  minor  as a required  
or elective  course  
Response Required:  New course will introduce  , reinforce  , or apply  concepts  
Response Required:  Grade Type  Normal (A-F)  CR/NC  P/F  

If new, provide Course Prefix, Number, Title, Measurable Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.  

Program:  Delete:  Add:  Change:  Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.  


Minor:  Add:  Delete:  Change:  Attach new/changed minor. If in current online catalog, provide change and attach text with changes in red.  

College Introductory Pages:  Add information:  Change information:  Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.  

Other:  Add information:  Change information:  Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.  

Approvals:  

Chair  
Department Curriculum Committee  

Chair  
Department  

Chair  
College Curriculum Committee  

Dean  

Provost  

Signature  
Neal McReynolds  

Date  

Signature  
Dan Mott  

Date  

Signature  
Frances Bernat  

Date  

Digitally signed by Neal McReynolds 
DN: c=US, o=TexMex, ou=Interdisciplinary Studies, cn=Neal McReynolds  
Date: 2015.04.16 16:58:31 -05'00"  

Digitally signed by Dan Mott 
DN: cn=Dan Mott, o=Interdisciplinary Studies, ou=Interdisciplinary Studies, c=US  
Date: 2015.03.21 19:39:05 -06'00"  

Digitally signed by Frances Bernat 
DN: cn=Frances Bernat, o=TAMIU, ou=COAS, cn=Frances Bernat  
Date: 2015.01.30 14:18:21 -06'00"
CHEM 3400

Environmental Chemistry

Four semester hours. (SP)

A course that develops quantitative analytical techniques for monitoring and assessing toxins and pollutants in the environment. Three hours of laboratory per week. Prerequisites: CHEM 1411/1111 and CHEM 2423. Lab fee: $27.25.

CHEM 3451

Biochemistry I

Four semester hours. (SP)

An introduction to modern biochemistry using fundamental chemical principles. Topics covered include proteins, carbohydrates, lipids, nucleic acids, bioenergetics, enzymology, and metabolism, with an emphasis on interrelationships between metabolic pathways and regulation. Prerequisites: BIOL 1406 1306/1106 and CHEM 2423 or permission of instructor. Cross-listed with BIOL 3451. Credit cannot be given for both BIOL 3451 and CHEM 3451. Lab fee: $27.25.

BIOL 2421 (BIOL 2421)

General Microbiology

Four semester hours.

A survey of microbiology. Topics include structure, growth, reproduction, metabolism, genetics, and taxonomy of microorganisms; a survey of microorganisms of soil, water, foods, and industry. Prerequisites: BIOL 1406 1306/1106, BIOL 1311/1111 or BIOL 1413 and CHEM 1311/1111. Lecture/laboratory. Lab fee: $27.25.