

**CATALOG YEAR 2014-2015**  
**(Please use separate form for each add/change)**

COLLEGE/SCHOOL: College of Arts and Sciences

Current Catalog Page(s) Affected:

**Course:**Add:      Delete:     

(check all that apply)

Change: Number      Title      SCH       
Description      Prerequisite      x     

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.

CHEM 3431

*Physical Chemistry I*

Four semester hours.

An understanding of chemical thermodynamics, equilibrium and electrochemistry will be developed. The first half of a two-semester course. Three hours of laboratory per week. Prerequisite: MATH **2413** PHYS **1302**, and CHEM **1412**. Lab fee: \$27.25.

Justification:

Course as taught now uses calculus and not differential equations.

Approvals:

Signature

Date

Chair

Department Curriculum Committee

Neal McReynolds

Digitally signed by Neal McReynolds  
 DN: cn=Neal McReynolds, o=Texas A M International  
 University, ou=Department of Biology and Chemistry,  
 email=nmcreynolds@tamiu.edu, c=US  
 Date: 2014.10.01 17:31:02 -06:00

Chair

Department

Dan Mott

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 DN: cn=Dan Mott, o=TAM U, ou=Biology &  
 Chemistry, email=dmott@tamiu.edu, c=US  
 Date: 2014.10.23 09:20:58 -05:00

Chair

College Curriculum Committee

*N. Foran*

Oct.24/14

Dean

Frances Bernat

Digitally signed by Frances Bernat  
 DN: cn=Frances Bernat, o=COAS, ou=Public Affairs and  
 Social Research, email=frances.bernat@tamiu.edu, c=US  
 Date: 2014.10.26 11:35:00 -05:00

Provost

*[Handwritten Signature]*

12/1/14