KENTUCKY STATE UNIVERSITY

CURRICULAR/PROGRAM CHANGE TRACKING DOCUMENT

ACADEMIC UNIT: Chemistry in Division of MASC

DATE SUBMITTED: February 26, 2013

1. BRIEF EXPLANATION OF PROPOSED CHANGE:

Add CHE 209 Survey of General, Organic, and Biochemistry to chemistry offerings. This specific course was requested by the nursing program to support their ADN and proposed BSN programs. It will be a required course for these programs.

2. CHECK ITEM(s) BELOW FOR CHANGES DESIRED:

☐ New or Revised Major
☐ New or Revised Minor
☐ New Course(s)
☐ Course Level (number) Change
☐ Deletion of Course
☐ Revised Degree or Certification
☐ Revised Course
☐ Other (specify below):

I. Dean’s Action:

☑ Approved
☐ Disapproved
☐ Returned for Recommended Change

Date: 3/18/13

(Signature)

II. Curriculum Committee Action:

□ Approved
□ Disapproved
□ Returned for Recommended Change

Chairperson: (signature): Date:

III. Faculty Senate Action:

☑ Approved
☐ Disapproved
☐ Returned for Recommended Change

Senate President (signature): Date: 4-25-13

IV. Provost/Vice President Academic Affairs (not required for courses):

□ Approved
□ Disapproved
☐ Returned for Recommended Change

Provost/VPAA (Signature): Date:

V. President’s Action (not required for courses):

□ Approved
□ Disapproved
☐ Returned for Recommended Change

President (Signature): Date:

Final Faculty senate Approved form as of 9/15/06

Kentucky State University is an equal educational and employment opportunity affirmative action institution
CURRICULUM COMMITTEE  
NEW COURSE PROPOSAL

ACADEMIC UNIT: Chemistry

DATE PREPARED: 02/25/2013

PRIMARY AUTHOR(S): Dr. Suzette Polson and Dr. Rita Sharma

ACADEMIC DISCIPLINE FACULTY APPROVED:  
(Committee Chairperson's Signature)  

CHAIRPERSON/DEAN APPROVED:  
(Chairperson's/Dean Signature)  

1. NEW COURSE NUMBER CHE 209

2. NEW COURSE TITLE: Survey of General, Organic and Biochemistry

3. CAPSULE STATEMENT OF COURSE CONTENT FOR CATALOG: 
Prerequisite: MAT 115 with a grade C or better. Topics include: properties of matter, atomic structure and the periodic table, chemical bonding, general reactions such as acid-base chemistry, organic functional groups, carbohydrates, proteins, nucleic acids and lipids. This course is required for students in Nursing. Three hours of lecture and three hours of lab per week.

4. DESCRIPTION OF COURSE CONTENT FOR COURSE SYLLABUS: 
Introduces topics in General Chemistry, Organic Chemistry and Biochemistry, including properties of matter, atomic structure and the periodic table, chemical reactions, chemical bonding, acid-base chemistry, organic functional groups, carbohydrates, proteins, enzymes, nucleic acids and lipids.

5. PREREQUISITES: MAT 115 with a grade C or better

6. REQUIRED COURSE:  X Yes  No

7. CREDITS:  (a) Number 4  
               (b) Variable credit Explanation: N/A  
               (c) Will course be repeatable for credit:  X Yes  No  
               (d) Grading systems permitted:  X A-F  X P/F  Credit/No Credit

8. Course Level:  X Elementary  
                ___ Intermediate  
                ___ Intermediate/Advanced  
                ___ Advanced

Final Faculty Senate Approved Form as of 10/4/89
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ACADEMIC UNIT: CHEMISTRY
COURSE NUMBER: CHE 209
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9. CROSSLISTING DEPARTMENTS (attach supporting letters): NONE

10. SCHEDULING PLAN:  
    ___ Each semester  
    x ___ Annually  
    ___ Biennially  
    ___ Occasionally

11. STARTING WITH:  
    ___ Fall,  x ___ Spring,  ___ Summer:  __2013-14___ Academic Year

12. IS THIS A "SPECIAL TOPICS" COURSE?  ___ Yes  x ___ No

13. EXPLANATION OF NEED FOR THE SPECIFIC COURSE:  
    Service course for the Nursing program, by request. The NUR program will use this course in place of FNU 104 (see accompanying proposal).

14. RELATIONSHIP TO OTHER LIKE COURSES IN THE DISCIPLINE/UNIVERSITY:  
    CHE 200 Introduction to Organic Chemistry is a service course for General Biology to prepare students for advanced study in Biochemistry. CHE 200 places heavy emphasis on organic reactions which will be almost absent from CHE 209. CHE 200 contains no general chemistry, since students take the year-long General Chemistry sequence prior to CHE 200.

15. COURSE WHICH MAY BE Dropped AS A RESULT OF THIS PROPOSAL:  
    Food and Nutrition, FNU 104, will be deleted from the nursing BSN requirements (See accompanying proposal from the Nursing program.)

16. INSTRUCTIONAL STAFF (if non-faculty, attach Vita):  
    Dr. Rita Sharma will present the initial offering of this course. List of courses previously taught by Dr. Sharma – Chemistry in Context, General Chemistry I and II, A Survey of General, Organic and Biochemistry I (part of a two-semester sequence at BCITC), Organic Chemistry I and II. All these courses were taught with labs.

17. COURSE SYLLABUS AND TEXT REFERENCE:  
    Please attach. Include methods the instructor will use to evaluate student performance and a bibliography of available and needed references for Blazer Library.
    
    Course Syllabus attached. No reference texts will be needed for Blazer Library.
1. BRIEF EXPLANATION OF PROPOSED CHANGE: The School of Nursing has identified that an understanding of basic chemistry could better prepare nursing students in the role as a registered nurse. Chemistry provides a broader scope to chemical actions, interactions and reactions that will better serve nursing students when learning pharmacological and nutritional content within the ADN nursing courses. The general, organic and biochemistry course will be designed by and taught in the Division of Mathematics and Sciences. The designed course will replace FNU 104 Nutrition as a required course.

2. CHECK ITEM(s) BELOW FOR CHANGES DESIRED:

   - New Degree Certification
   - New or Revised Major
   - New or Revised Minor
   - New Course(s)
   - Course Level (number) Change
   - Deletion of Degree or Certification
   - Deletion of Course
   - Revised Degree or Certification
   - Revised Course
   - Other: Replace FNU 104 with CHEM for ADN

   X

I. Dean’s Action:

   Approved   Disapproved   Returned for Recommended Change

   (Signature) (Date)

II. Curriculum Committee Action:

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   (Signature) (Date)

III. Faculty Senate Action:

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   (Senate President Signature) (Date)

IV. Provost/Vice President Academic Affairs Action:

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   (Signature) (Date)

V. President’s Action:

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   (President Signature) (Date)