### Program Proposal

**Form B**

<table>
<thead>
<tr>
<th>Academic Group (College):</th>
<th>Date of Submission to College Dean:</th>
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<tbody>
<tr>
<td>Health and Human Services</td>
<td>October 26, 2010</td>
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<tr>
<th>Academic Organization (Department):</th>
<th>Requested Effective: Fall __, Spring X __, 2011 __.</th>
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<tbody>
<tr>
<td>Nursing</td>
<td></td>
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<table>
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<tr>
<th>Department Chair:</th>
<th>Contact if not Department Chair:</th>
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<tbody>
<tr>
<td>Carolyn Goetze</td>
<td>Nancy Beers</td>
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<tr>
<th>Title of the Program (Please be specific; indicate minor, undergraduate or graduate degree, etc.):</th>
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<tr>
<td>Undergraduate Nursing Program</td>
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**Type of Program Proposal:**

- [ ] Modification in Existing Program:
  - [X] Substantive Change
  - [ ] Non-Substantive Change
  - [ ] Deletion of Existing Program

- [ ] New Programs
  - [ ] Initiation (Projection) of New Program on to Master Plan
    - [ ] New Degree Programs
      - [ ] Regular Process
      - [ ] Fast Track Process
      - [ ] Pilot Process
    - [ ] New Minor, Concentration, Option, Specialization, Emphasis
    - [ ] New Certificate Program

**PLEASE NOTE:** Form B is to be used only as a Cover Form. Additional information is requested for each of the above as noted in the corresponding procedure in the Policies and Procedures for Initiation, Modification, Review and Approval of Courses and Academic Programs found at [http://www.csus.edu/umanual/acad.htm](http://www.csus.edu/umanual/acad.htm)
Briefly describe the program proposal (new or change) and provide a justification.

Removing an “or” out of the catalog in the “Current Approved Pre-Clinical Courses.”

The Division of Nursing is requesting that BIO 39 and CHEM 5 be added as options to the required preclinical courses for the nursing major. The two courses listed below were created for nursing majors and satisfy the required components. The total units should be to 29 (from 25) for the total required pre-clinical units.

BIO 39. Microbiology for Allied Health Sciences. Introduction to micro-organisms, particularly bacteria and viruses, with emphasis on health care-related applications of microbiology using case studies. Laboratory work includes aseptic techniques, methods cultivating and identifying bacteria, demonstration of microbial properties and will provide practice with basic microbiological skills. Lecture three hours; laboratory three hours. Fee Course. Note: Does not satisfy microbiology requirement for Biological Sciences majors. Prerequisite: BIO 10 or BIO 20; CHEM 5 or CHEM 6A and CHEM 6B or equivalent. Graded: Graded Student. Units: 4.0

CHEM 5. Chemistry for Nurses. One-semester chemistry survey course for pre-nursing students, covering the areas of general chemistry, organic chemistry and biochemistry. Major lecture topics include atomic and molecular structure and bonding, nomenclature of relevant inorganic and organic compounds, states of matter and intermolecular forces, solutions and solubility, reactions of inorganic, organic, and biological molecules, stereochemistry, structure and function of biological macromolecules, nutrition and metabolism. Emphasize chemistry as it appears in a practical nursing context. Lecture four hours, laboratory three hours. Prerequisite: One year high school algebra, high school chemistry strongly recommended. Graded: Graded Student. Units: 5.0

Approvals:

Department Chair: ____________________________ Date: 11-4-10

College Dean: ____________________________ Date: 11-8-11

University Committee: ____________________________ Date: ____________________________

Associate Vice President and Dean for Academic Affairs: ____________________________ Date: ____________________________

09/10/2008
CURRENT-APPROVED PRE-CLINICAL COURSES

A. Required Pre-Clinical Courses (25 units)
When possible, students are encouraged to apply their pre-clinical courses to General Education requirements.

(3) An oral communication (GE area A1) course such as:

COMS 4  Introduction to Public Speaking

(3) An introductory college composition (GE Area A2) course such as:

ENGL 1A  College Composition (EPT score of 148+ or above,
Or completion of ENGL 1)

(3) A critical thinking (GE Area A3) course such as:

COMS 2  Argumentation OR
Critical Thinking and Writing

ENGL 1C  (Grade of C- or better in ENGL 1A)

(3) A quantitative reasoning (GE Area B4) course such as:

STAT 1  Introduction to Statistics (MATH 9 or three years of high school mathematics which includes two years of algebra and one year of geometry; completes’ ELM requirement and the Intermediate Algebra Diagnostic Test)

(5) An organic chemistry course with an in-class lab such as:

CHEM 6B  Introduction to Organic and Biological Chemistry (CHEM 1A or CHEM 6A or high school chemistry course and passing a qualifying exam given in the first laboratory period)

NEW PRE-CLINICAL COURSES

A. Required Pre-Clinical Courses (29 units)
When possible, students are encouraged to apply their pre-clinical courses to General Education requirements.

(3) An oral communication (GE area A1) course such as:

COMS 4  Introduction to Public Speaking

(3) An introductory college composition (GE Area A2) course such as:

ENGL 1A  College Composition (EPT score of 148+ or above,
Or completion of ENGL 1)

(3) A critical thinking (GE Area A3) course such as:

COMS 2  Argumentation OR
Critical Thinking and Writing

ENGL 1C  (Grade of C- or better in ENGL 1A)

(3) A quantitative reasoning (GE Area B4) course such as:

STAT 1  Introduction to Statistics (MATH 9 or three years of high school mathematics which includes two years of algebra and one year of geometry; completes’ ELM requirement and the Intermediate Algebra Diagnostic Test)

(5) An organic chemistry course with an in-class lab such as:

CHEM 6B  Introduction to Organic and Biological Chemistry (CHEM 1A or CHEM 6A or high school chemistry course and passing a qualifying exam given in the first laboratory period)

CHEM 5  Chemistry for Nurses (One year high school algebra, high school chemistry strongly recommended) OR
(4) An anatomy course with a lab such as:

**BIO 22**  
Introductory Human Anatomy (BIO 1, BIO 2, BIO 10, or BIO 20)  
OR

**BIO 26**  
Human Anatomy and Physiology 1

(4) A physiology course with a lab such as:

**BIO 26**  
Systemic Physiology (BIO 1, BIO 2, BIO 10, BIO 20, or BIO 22 and one year of college chemistry).  
OR

**BIO 131**  
Human Anatomy and Physiology II (BIO 25 or instructor permission)

(4) A microbiology course with a lab such as:

**BIO 139**  
Microbiology for Allied Health Sciences (BIO 10 or BIO 20; CHEM 5 or CHEM 6B, CHEM 20 or CHEM 24)

**B. Required Clinical Nursing Courses (73 units)**

**At any time prior to 2nd semester (11 units)**

(3) Course in Human Development
(3) Course in Human Nutrition
(3) Course in Introductory Psychology
(2) NURS 14 Pharmacology (BIO 131 or equivalent)

**At any time before graduation (3 units)**

(3) Course in Societal-Cultural Patterns

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**CHEM 6B**  
Introduction to Organic and Biological Chemistry (CHEM 1A or CHEM 6A or a high school chemistry course and passing a qualifying exam given in the first laboratory period)

(4) An anatomy course with a lab such as:

**BIO 22**  
Introductory Human Anatomy (BIO 1, BIO 2, BIO 10, or BIO 20)  
OR

**BIO 25**  
Human Anatomy and Physiology 1

(4) A physiology course with a lab such as:

**BIO 26**  
Systemic Physiology (BIO 1, BIO 2, BIO 10, BIO 20, or BIO 22 and one year of college chemistry).  
OR

**BIO 131**  
Systemic Physiology (BIO 1, BIO 2, BIO 10, BIO 20, or BIO 22 and one year of college chemistry).

(4) A microbiology course with a lab such as:

**BIO 39**  
Microbiology for Allied Health Sciences (BIO 10 or BIO 20; CHEM 5 or CHEM 6B, CHEM 20 or CHEM 24)

**BIO 139**  
General Microbiology (BIO 10 or BIO 20 or both BIO 1 and BIO 2; CHEM 6B, CHEM 20 or CHEM 24)

**B. Required Clinical Nursing Courses (73 units)**

**At any time prior to 2nd semester (11 units)**

(3) Course in Human Development
(3) Course in Human Nutrition
(3) Course in Introductory Psychology
(2) NURS 14 Pharmacology (BIO 131 or equivalent)

**At any time before graduation (3 units)**

(3) Course in Societal-Cultural Patterns