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|---|--|--|
| ORIGINATOR'S SECTION: | | |
| 1. College: <input checked="" type="checkbox"/> Coas <input type="checkbox"/> CBA <input type="checkbox"/> CoE | Desired Term and Year of Implementation (e.g., Fall 2008): Winter FALL '09 | |
| 2. Current Course abbreviation and Number: Chem 100 | | |

TYPE OF CHANGE(S). Check all that apply.

| | | | | | |
|----------------------|-------------------------------------|-------------------------------|--------------------------|--|--------------------------|
| Course Number Change | <input checked="" type="checkbox"/> | Delete Prerequisite | <input type="checkbox"/> | Other Prerequisite Change | <input type="checkbox"/> |
| Course Title Change | <input type="checkbox"/> | Add Corequisite | <input type="checkbox"/> | Grading Method Change | <input type="checkbox"/> |
| Unit Value Change | <input checked="" type="checkbox"/> | Delete Corequisite | <input type="checkbox"/> | Mode of Instruction Change (C/S Number) | <input type="checkbox"/> |
| Description Change | <input checked="" type="checkbox"/> | Add Consent for Enrollment | <input type="checkbox"/> | Consider for G.E. If yes, also fill out appropriate GE form. | <input type="checkbox"/> |
| Add Prerequisite | <input type="checkbox"/> | Delete Consent for Enrollment | <input type="checkbox"/> | Cross-list | <input type="checkbox"/> |

Information in this section— both current and new — is required only for items checked () above.

NEW INFORMATION:

| | |
|---------------------------------|-----|
| Course abbreviation and Number: | 105 |
|---------------------------------|-----|

CURRENT INFORMATION:

| | |
|---|---|
| 3. Title: Organic and Biochemistry for Life | Title: <i>(Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)</i> Chem 105 Organic and Biochemistry for Life |
| 4. Abbreviated Title for Banner <i>(no more than 25 characters):</i> Org & Biochem for Life | Abbreviated Title for Banner: <i>(no more than 25 characters, including spaces)</i> NC |
| 5. Number of Units: 3 | Number of Units: 4 |
| 6. Catalog Description: Covers the basic principles of general, organic and biochemistry as applied to the biochemistry, pathophysiology, pharmacology and nutrition of human body systems. Intended for students pursuing a degree in a variety of health-related areas such as Nursing. Prerequisite: Completion of the entry Level Mathematics (ELM) requirement or consent of instructor. Corequisite or Prerequisite: CHEM 100L. | Catalog Description: <i>(Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)</i> Covers the basic principles of general, organic and biochemistry as applied to the biochemistry, pathophysiology, pharmacology and nutrition of human body systems. Intended for students pursuing a degree in a variety of health-related areas such as Nursing. Prerequisite: Completion of the Entry Level Mathematics (ELM) requirement or consent of instructor. Corequisite or Prerequisite: CHEM 105L. Recommended: High school chemistry and/or Chem 101. |

7. Mode of Instruction* (See pages 17-23 at <http://www.calstate.edu/cim/data-elem-dic/APDB-Transaction-DED-SectionV.pdf> for definitions of the Course Classification Numbers)

| Type of Instruction | Number of Credit Units | Instructional Mode (Course Classification Number) | Type of Instruction | Number of Credit Units | Instructional Mode (Course Classification Number) |
|---------------------|------------------------|---|---------------------|------------------------|---|
| Lecture | 3 | C-2 | Lecture | 4 | C-2 |
| Activity | | | Activity | | |
| Lab | | | Lab | | |

| | |
|--|--|
| 8. Grading Method:* | Grading Method:* |
| <input checked="" type="checkbox"/> Normal (N) (Allows Letter Grade +/-, and Credit/No Credit) | <input checked="" type="checkbox"/> Normal (N) (Allows Letter Grade +/-, and Credit/No Credit) |
| <input type="checkbox"/> Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, and Credit/No Credit) | <input type="checkbox"/> Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, and Credit/No Credit) |

*If Originator is uncertain of this entry, please consult with Program Director/Chair.

CURRENT INFORMATION:

NEW INFORMATION:

| | |
|---|---|
| <p><i>Credit/No Credit, and Report-in-Progress)</i></p> <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP) | <p><i>Credit/No Credit, and Report-in-Progress)</i></p> <input type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> Credit/No Credit or Report-in-Progress Only (CP) |
| <p>9. If the NP or CP grading system was selected, please explain the need for this grade option.</p> | |
| <p>10. Course Requires Consent for Enrollment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department/Director/Chair</p> | <p>Course Requires Consent for Enrollment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department/Director/Chair</p> |
| <p>11. Course Can be Taken for Credit More than Once? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many times (including first offering)</p> | <p>Course Can be Taken for Credit More than Once? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how many times (including first offering)</p> |
| <p>12. Is Course Cross Listed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, indicate which course</p> | <p>Is Course Cross-listed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, indicate which course and check "yes" in item #17 below.</p> |
| <p>13. Prerequisite(s):</p> | <p>Prerequisite(s): Entry Level Mathematics (ELM)</p> |
| <p>14. Corequisite(s):</p> | <p>Corequisite(s): 105L (or pre-requisite)</p> |
| <p>15. Documentation attached: <input checked="" type="checkbox"/> Syllabus <input type="checkbox"/> Detailed Course Outline</p> | |

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:

(Mandatory information - all items in this section must be completed.)

16. Does this course fulfill a requirement for any major (i.e. core course or elective for a major, majors in other departments, minors in other departments)? Yes No
 If yes, please specify:
 Nursing, Kinesiology

17. Does this course change impact other discipline(s)? *(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)* Check "yes" if the course is cross-listed. Yes No
 If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Line
 Discipline _____ Signature Attached _____ Date _____ Support _____ Oppose _____

Nursing
 Discipline _____ Signature Attached _____ Date _____ Support _____ Oppose _____

18. Reason(s) for changing this course:
 The 2nd unit of laboratory has been used more for lecture than for pre-lab. We would like to ~~formally change from 3 units of lecture and 2 units of lab to 4 units of lecture and 1 unit of lab~~ Content of the overall 5 units will remain identical.

A separate lab will also allow students easier scheduling of the laboratories once we begin teaching 2 sections of lecture. Students will then be able to take either lecture with any of the labs. In the current set-up, students must take a lab section that has pre-lab with the same instructor as their lecture. This limits their options for lab times.

Current syllabus is attached with proposed changes noted.

SHIFT THE ONE UNIT OF LECTURE (CREDIT NOW INCLUDED IN CHEM 100L TO CHEM 100 (RENUMBERED 105L & 105 RESPECTIVELY). THE RESULT WILL BE ONE 4-UNIT LECTURE COURSE (105) AND ONE ONE-UNIT LAB COURSE (105L).

MM

CURRENT INFORMATION:

SIGNATURES : (COLLEGE LEVEL) :

1. J. A. T. [Signature] 3/3/08
Originator (Please Print) Date

2. J. A. T. [Signature] 3/3/08
Program Director/Chair Date

3. Mark Wallace 4/24/08
College Curriculum Committee Date

4. [Signature] 5/12/08
College Dean (or Designee) Date

NEW INFORMATION:

(UNIVERSITY LEVEL)

5. _____ Date
UCC Committee Chair

6. _____ Date
Vice President for Academic Affairs (or Designee)

7. _____ Date
President (or Designee)

Debbie Schwarz

From: Kara Witzke
Sent: Thursday, March 27, 2008 4:53 PM
To: Debbie Schwarz; Judith Papenhausen
Cc: Staci Beavers
Subject: CHEM 100 & 100L Proposals for Review

This looks very reasonable to me...and will likely be easier for articulation purposes as well!
Kara

On 3/27/08 4:06 PM, "Debbie Schwarz" <dschwarz@csusm.edu> wrote:

To: Kara Witzke
Kinesiology
Judy Papenhausen
Nursing Program

From: Curriculum & Academic Policy Committee
College of Arts & Sciences

Date: March 27, 2008

Re: C-2 Forms
CHEM 100 & 100L

Good Afternoon,

Attached are C-2 forms and supporting documents for Chemistry 100 & 100L

Please review and indicate your support or your opposition.

You may sign the attached document . Or you may reply with your response.

We appreciate your attention. Please call if you have questions .

Curriculum & Academic Policy Committee
College of Arts & Sciences
Mark Wallace, Chair
Staci Beavers
Darlene Pina
Sajith Jayasinghe

CHEMISTRY 100L (Change to 105L): Organic and Biochemistry of Life Laboratory

Term: Spring, 2008
Prerequisites: None
Class time: Pre-Lab lecture: Fridays 11:00 a.m. to 11:50 a.m. (Deleted in 105L)
Laboratory: **Thur, 9am-11:45am**
Class location: Pre-Lab: LIB 1111 (Deleted in 105L)
Laboratory: SCI II 347
Instructors: Pre-Lab: Dr. S. Jayasinghe (Dr. Jay) (Deleted in 105L)
Laboratory: **Dr. Jackie Trischman**
Office: Sci I Room 119
Office Hours: Wed 11-Noon, Thurs 12-1pm or by appointment

Course Objective: This is the laboratory section of CHEM 100: Organic and Biochemistry of Life. The laboratory experiments are intended to complement and illustrate the material discussed in CHEM 100.

Textbook: Lab manual packet available at the book store.

Student Learning Outcomes:

Upon completion of this course students should:

- (1). Be able to successfully perform introductory laboratory techniques.
- (2). Be able to properly document experimental observations, analyze experimental results and write clear laboratory reports.
- (3). Be able to describe the chemical principles on which the laboratory experiments are based.

Experiment Schedule:

| | |
|---------|---|
| 1/24/08 | Check-in |
| 1/31/08 | Mystery Box |
| 2/7/08 | Taking Measurements |
| 2/14/08 | Qualitative Analysis: Testing for Cations and Anions |
| 2/21/08 | Quantitative Analysis: Testing for Vitamin C |
| 2/28/08 | No Lab |
| 3/6/08 | No Lab (Optional Problem Session from 10-11:30am) |
| 3/13/08 | Solutions |
| 3/20/08 | Acids and Bases |
| 3/27/08 | Chemical Synthesis |
| 4/3/08 | No Lab (Spring Break) |
| 4/10/08 | Organic Compounds and Functional Groups |
| 4/17/08 | Carbohydrates |
| 4/24/08 | Lipids |
| 5/1/08 | Enzymes |
| 5/8/078 | No Lab (Optional Problem Session from 10-11:30 to prepare for Final Exam in Lecture) |

Pre-Labs: Each lab contains a set of pre-laboratory questions. Please answer these questions on a sheet of paper and hand them to the instructor prior to each laboratory period.

Lab Reports: Complete the relevant report section for each lab (neatly) and hand them to your instructor at the end of each lab period. **Please write your name your student ID number, and your partners name on each sheet.** Although you will be working in pairs **you must complete your own report sheet. Written answers must be in your own words.** Each lab report will be graded for completeness (show your calculations) as well as clarity and neatness.

The laboratory with the lowest score will be dropped, and will not count towards the final grade.

At the end of the semester your instructor will also grade your overall laboratory performance (attendance, participation, preparedness).

Attendance: **No make up laboratory sessions will be given.** Any missed lab session, either excused or not, will receive zero points. One excused absence may count towards your dropped score. All unexcused absences, with zero points, will be included in the calculation of your final grade (and the next lowest score will be dropped).

Students who miss three laboratory sessions will be dropped from the course.

Quizzes: There will be three quizzes administered during the pre-laboratory session during the semester. The quizzes are (tentatively) scheduled for 2/22/2008, 3/21/2008, and 5/2/2008.

The quiz with the lowest score will be dropped and will not count towards your final score. All missed quizzes will receive zero points. One missed quiz may count towards your dropped score.

No make up quizzes will be given unless the student has a valid excuse (severe illness, death in the family, etc.) and the student notifies the instructor within two days of the quiz.

Grading (points):

| | | |
|---------------------------------|-----|------|
| 10 Pre-Labs (10 points each) | 100 | 20% |
| 10 Lab Reports (30 points each) | 300 | 60% |
| 2 Quizzes (40 points each) | 80 | 16% |
| Laboratory performance | 20 | 4% |
| Total | 500 | 100% |

Note that pre-labs are assignments that show the students read through the labs. This has nothing to do with the "pre-lab" time block. The course will basically be offered in an identical manner to the current set-up, with the exception that the "pre-lab" block will officially be moved to the lecture portion of the course, since this is typically what occurs during that time block. Actual pre-lab lectures will be given during the first 15" of the lab. This has turned out to be sufficient for the level of this lab class. However, the lecture is in need of more time to cover all of the necessary material.

Writing Requirement:

The University Writing Requirement will be satisfied by a combination of pre-labs, lab reports and quiz questions requiring written answers.

Students with Disabilities:

Students with disabilities who require accommodation must be approved by the Office of Disabled Student Services (DSS). Please contact this office as soon as possible and should meet with the instructor during office hours (or at some other mutually agreeable time). The DSS office is located in Craven hall 5205. Their telephone number is (760) 750-4905 or TTY (760) 750-4909.

Academic Honesty:

All students are expected to maintain academic honesty. **All submitted work must be your own and must be written in your own words.**

All students should be familiar with the university policies and procedures concerning academic honesty as detailed in the university catalog. An online version of these policies and procedures can also be found at: http://lynx.csusm.edu/policies/procedure_online.asp?ID=187

**CURRENT INFORMATION:
SIGNATURES : (COLLEGE LEVEL) :**

1. J. T. Fisher 3/3/08
Originator (Please Print) Date

2. J. T. Fisher 3/3/08
Program Director/Chair Date

3. _____
College Curriculum Committee Date

4. _____
College Dean (or Designee) Date

Judith Papenhauer
Director
S.O.N. 4/18/08

**NEW INFORMATION:
(UNIVERSITY LEVEL)**

5. _____
UCC Committee Chair Date

6. _____
Vice President for Academic Affairs (or Designee) Date

7. _____
President (or Designee) Date