California State University Channel Islands

NEW COURSE PROPOSAL

Courses must be submitted by November 2, 2009, for priority catalog review.

DATE (Change if modified and redate file with current date) 12-11-2009; REV 1.25.10
PROGRAM AREA(S) BIOLOGY

1. Course Information. [Follow accepted catalog format.]
   Prefix(es) (Add additional prefixes if cross-listed) and Course No. CLS 500
   Title: CLINICAL TRAINING CERTIFICATE PROGRAM PART I Units: 8
   x Prerequisites BS in Biology with an Emphasis in Clinical Laboratory Science or equivalent educational credential.
   x Corequisites
   Consent of Instructor Required for Enrollment
   Catalog Description (Do not use any symbols): The first phase of clinical training in a clinical laboratory at a partner hospital.
   Grading Scheme: Repeatability:
   A-F Grades Repeatable for a maximum of units
   x Credit/No Credit Total Completions Allowed
   Optional (Student Choice) Multiple Enrollment in Same Semester
   Catalog Description: The first phase of clinical training in a clinical laboratory at a partner hospital.
   Course Level Information:
   Undergraduate x Post-Baccalaureate/Credential
   Graduate

Mode of Instruction/Components (Hours per Unit are defaulted).

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
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</thead>
<tbody>
<tr>
<td>Seminar</td>
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<tr>
<td>Laboratory</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Activity</td>
<td>2</td>
<td>2</td>
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</tr>
<tr>
<td>Field Studies</td>
<td>8</td>
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<td>Indep Study</td>
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<tr>
<td>Other Blank</td>
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Leave the following hours per week areas blank. The hours per week will be filled out for you.
40 hours field studies per week

2. Course Attributes:

   General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: [http://summit.csuci.edu/geapproval](http://summit.csuci.edu/geapproval). Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

   A (English Language, Communication, Critical Thinking)
   - A-1 Oral Communication
   - A-2 English Writing
   - A-3 Critical Thinking

   B (Mathematics, Sciences & Technology)
   - B-1 Physical Sciences
   - B-2 Life Sciences – Biology
   - B-3 Mathematics – Mathematics and Applications
   - B-4 Computers and Information Technology

   C (Fine Arts, Literature, Languages & Cultures)
   - C-1 Art
   - C-2 Literature Courses
   - C-3a Language
   - C-3b Multicultural

   D (Social Perspectives)
3. **Justification and Requirements for the Course.** (Make a brief statement to justify the need for the course)
   A. Justification: This is one of the two required components for the Clinical Training Certificate Program in Clinical Laboratory Scientists.

   B. Degree Requirement: x Requirement for the Major/Minor  
   Note: Submit Program Modification if this course changes your program.

4. **Learning Objectives.** (List in numerical order. You may wish to use the following resource in utilizing measurable verbs: http://senate.csuci.edu/comm/curriculum/resources.htm)
   Upon completion of the course, the student will be able to:
   1. Implement laboratory procedures at a clinical setting
   2. Analyze the results of clinical tests
   3. Report the laboratory results

5. **Course Content in Outline Form.** [Be as brief as possible, but use as much space as necessary]
   Orientation (1 week)
   General Laboratory Techniques (3 weeks)
   Blood Bank (5-week rotation)
   Chemistry (15-week rotation)
   Flow Cytometry and Immunohistochemistry (2 weeks)

   Does this course content overlap with a course offered in your academic program? Yes  
   If YES, what course(s) and provide a justification of the overlap.  

   Does this course content overlap a course offered in another academic area? Yes  
   If YES, what course(s) and provide a justification of the overlap.  

   Overlapping courses require Chairs’ signatures.

6. **Cross-listed Courses** (Please note each prefix in item No. 1)
   A. List Cross-listed Courses (Signature of Academic Chair(s) of the other academic area(s) is required).
   List each cross-listed prefix for the course:  

   B. Program responsible for staffing: Biology

7. **References.** [Provide 3 - 5 references]
8. **Tenure Track Faculty Qualified to Teach This Course.**

Biology faculty

9. **Requested Effective Date:**

First semester offered: Fall 2010

10. **New Resources Requested.** Yes [ ] No [x]

If YES, list the resources needed.

A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)

B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)

C. Facility/Space/Transportation Needs

D. Lab Fee Requested (please refer to Dean’s Office for additional processing) Yes [ ] No [ ]

E. Other

11. **Will this new course alter any degree, credential, certificate, or minor in your program?** Yes [ ] No [x]

If YES attach a program update or program modification form for all programs affected.

Priority deadline for New Minors and Programs: October 5, 2009 of preceding year.

Priority deadline for Course Proposals and Modifications: November 2, 2009, of preceding year.

Last day to submit forms to be considered during the current academic year: April 15th.

Ching-Hua Wang 12-11-09

Proposer of Course (Type in name. Signatures will be collected after Curriculum approval) Date
Approval Sheet

Program/Course:

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

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<thead>
<tr>
<th>Chair</th>
<th>Signature</th>
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<tbody>
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<td>Program Chair</td>
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<td>Center for International Affairs Director</td>
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<td>Dean of Faculty</td>
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