CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

1. Catalog Description of the Course. [Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be repeated to a maximum of ___ units); time distribution (Lecture ___ hours, laboratory ___ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]

BIOL 213. SEX, GERMS AND DISEASES (3)
Three hours of lecture/discussion per week.
This is a course to introduce biology of sexually transmitted diseases and their impact on society. It covers reproductive system, factors in the spread of diseases, biology and pathogenesis of infectious agents and sexually transmitted diseases caused by bacteria, viruses, fungi and protozoa. Topics also include impact of current biotechnology in relation to vaccine development, treatment and improved diagnostics of these diseases as well as challenges of these diseases to economy, public health system, individuals, and society at large.
GenEd: B2, E

2. Mode of Instruction.

<table>
<thead>
<tr>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
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<tbody>
<tr>
<td>Lecture</td>
<td>3</td>
<td>1</td>
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<tr>
<td>Seminar</td>
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<tr>
<td>Laboratory</td>
<td></td>
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<tr>
<td>Activity</td>
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3. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) [Use as much space as necessary]

This is a lower-division General Education course for students at CSUCI. It provides valuable information and knowledge to students about sexually transmitted diseases and their impact on society. It should be highly educational to our student population and will help in preventing these diseases.

Students completing this class should be equipped with the knowledge and skills to:
1. Describe the reproductive system of humans
2. Define factors in the spread of infectious diseases
3. Explain biology and pathogenesis of infectious agents that cause sexually transmitted diseases
4. Describe current biotechnology in relation to vaccine development, treatment and improved diagnostics of these diseases
5. Identify challenges of epidemics of sexually transmitted diseases to economy, public health system, individuals, and society at large

4. Is this a General Education Course

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
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<tbody>
<tr>
<td>If Yes, indicate GE category:</td>
<td></td>
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<tr>
<td>A (English Language, Communication, Critical Thinking)</td>
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<tr>
<td>B (Mathematics &amp; Sciences)</td>
<td>B2</td>
</tr>
<tr>
<td>C (Fine Arts, Literature, Languages &amp; Cultures)</td>
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<td>D (Social Perspectives)</td>
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<tr>
<td>E (Human Psychological and Physiological Perspectives)</td>
<td>x</td>
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5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]

Introduction to infectious diseases
Biological and social factors in the spread of diseases
Examination of the reproductive system
Syphilis
Gonorrhea
Genital chlamydia
Sexually transmitted diseases (STD) by other bacteria
Genital herpes
Genital warts
Sexually transmitted diseases by other viruses
Yeast, protozoa and ectoparasites and sexually transmitted diseases
HIV, AIDS and the immune system
Current technology in prevention, diagnostics and treatment of STDs
Impact of STDs on individual and society
Public health challenges and society’s responsibilities
Economic, ethical, and political issues
Prospects and obstacles to STD prevention and education
Continuing challenges of STDs

6. References. [Provide 3 - 5 references on which this course is based and/or support it.]
1. Color Atlas and Synopsis of Sexually Transmitted Diseases
2. Sexually Transmitted Diseases
   by King K., Md. Phd. Holmes (Editor), P. Frederick, Md. Sparling, Stanley M., Md. Lemon, Walter, E., Md.
3. Reproductive Tract Infections and other Gynaecological Disorders : A Multidisciplinary Research Approach
   by Shireen Jejeebhoy (Editor), Michael Koenig (Editor), Christopher Elias (Editor), Cambridge University Press; ISBN: 0521818125 ; (January 2003)
4. Women's Health: Sexually Transmitted Diseases - The Keys to Prevention (1999), ASIN: 6302899206

7. List Faculty Qualified to Teach This Course.
   Biology faculty members

8. Frequency.
   a. Projected semesters to be offered:  Fall __x____  Spring __x____  Summer __x____

9. New Resources Required.
   a. Computer (data processing), audio visual, broadcasting needs, other equipment
   b. Library needs
   c. Facility/space needs

10. Consultation.
    Attach consultation sheet from all program areas, Library, and others (if necessary)

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

Ching-Hua Wang  ______________________
Proposer of Course  1-3-03

NEWCRSFR 9/30/02