

# CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

## NEW COURSE PROPOSAL

PROGRAM AREA \_\_\_\_\_

- 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.**

	<b>Units</b>	<b>Hours per Unit</b>	<b>Benchmark Enrollment</b>
Lecture	____3____	____1____	____100____
Seminar	_____	_____	_____
Laboratory	_____	_____	_____
Activity	_____	_____	_____

- 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** **YES** **NO**

**If Yes, indicate GE category:**

<b>A (English Language, Communication, Critical Thinking)</b>	
<b>B (Mathematics &amp; Sciences)</b>	<b>B2</b>
<b>C (Fine Arts, Literature, Languages &amp; Cultures)</b>	
<b>D (Social Perspectives)</b>	
<b>E (Human Psychological and Physiological Perspectives)</b>	<b>x</b>

- 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**  
 by H. Hunter, M.D. Handsfield, H. Hunter Handsfield M.D., McGraw-Hill Professional; ISBN: 0070260338 ; 2nd edition (December 11, 2000)
2. **Sexually Transmitted Diseases**  
 by King K., Md. Phd. Holmes (Editor), P. Frederick, Md. Sparling, Stanley M., Md. Lemon, Walter, E., Md. Stamm, Peter, Md. Phd. Piot, Judith N., Md. Wasserheit, Per-Anders Mardh (Editor), McGraw-Hill Professional; ISBN: 007029688X ; 3rd edition (December 18, 1998)
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.**

<u>Ching-Hua Wang</u>	<u>1-3-03</u>	
Proposer of Course	Date	