

**CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS
NEW COURSE PROPOSAL**

DATE 12.16.06
PROGRAM AREA COMPUTER SCIENCE/LIBERAL STUDIES

1. Catalog Description of the Course. *[Follow accepted catalog format.]*

Prefix COMP Course# 110 Title COMPUTER LITERACY FOR EDUCATORS Units (3)
3 hours lecture per week
hours blank per week

- Prerequisites
 Corequisites

Description COMP 110. COMPUTER LITERACY FOR EDUCATORS (3)

An introduction to computer systems, including web applications, word processing, spreadsheets, database emphasizing their use in educational settings.

LS 110. COMPUTER LITERACY FOR EDUCATORS (3)

An introduction to computer systems, including web applications, word processing, spreadsheets, database emphasizing their use in educational settings.

- Gen Ed Categories B4
 Lab Fee Required
 Title V Section 40404: Government US Constitution US History
- Graded CR/NC
 A - F
 Optional (Student's choice)
- Repeatable for up to units
Total Completions Allowed Multiple Enrollment in same semester

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS & HEGIS # (filled in by Dean)
Lecture	3	1	25	<input checked="" type="checkbox"/>	_____
Seminar	_____	_____	_____	<input type="checkbox"/>	_____
Laboratory	_____	_____	_____	<input type="checkbox"/>	_____
Activity	_____	_____	_____	<input type="checkbox"/>	_____

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]*

Required course for the Integrated Option in Liberal Studies, a new option designed to meet subject matter content preparation for students in the proposed Integrated Program - a combination of a Liberal Studies Bachelor's degree and Multiple-Subject Teaching Credential coursework.

LEARNING OBJECTIVES:

Students who successfully complete this course will be able to:

1. Identify components of a computer system
2. Perform an effective web search
3. Know MS Word for wordprocessing and mail merge
4. Use MS Excel to organize and present data
5. Use MS Access to organize and store data
6. Use MS Powerpoint to create effective presentations
7. Produce professional documents that integrate and present relevant data
8. Evaluate critically various software applications found commonly in school settings
9. Use computer technology to communicate ideas clearly and convincingly

- 4. Is this a General Education Course** YES NO
If Yes, indicate GE category and attach GE Criteria Form:

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)**
- E (Human Psychological and Physiological Perspectives)**
- UD Interdisciplinary**

5. Course Content in Outline Form. *[Be as brief as possible, but use as much space as necessary]*

- A. COMPUTER SYSTEMS
- B. OPERATING SYSTEMS
- C. COMPUTER NETWORKS
- D. MS WINDOWS
- E. INTERNET BROWSERS
- F. WORDPROCESSING (WORD)
- G. SPREADSHEET ANALYSIS (EXCEL)
- H. DATABASE TECHNOLOGY (ACCESS)
- I. SOFTWARE APPLICATIONS FOR EDUCATION
- J. EVALUATING EDUCATIONAL SOFTWARE
- K. PRESENTATION SOFTWARE TOOLS
- L. INTEGRATING WORD, EXCEL AND POWERPOINT – PROJECTS

Does this course overlap a course offered in your academic program? YES NO

If YES, what course(s) and provide a justification of the overlap? COMP101

COMP110 overlaps with some of the topics and learning objectives offered in COMP101, however it more completely meets the Elementary Subject Matter requirements for students intending to enter a Multiple Subject Teaching Credential Program.

Does this course overlap a course offered in another academic area? YES NO

If YES, what course(s) and provide a justification of the overlap?

Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

6. Cross-listed Courses (Please fill out separate description for each PREFIX)

List Cross-listed Courses

COMP 110/LS 110

Signature of Academic Chair(s) of the other academic area(s) is required on the signature sheet below.

Department responsible for staffing: Computer Science

7. References. *[Provide 3 - 5 references on which this course is based and/or support it.]*

1. Shelly, C. (2002). Discovering computers 2002, concepts for a digital world – web enhanced
2. Beskeen, f., & Reding, S. (2000). Microsoft Office 2000 - enhanced edition
3. Chen, J.Q., Price, V. (2006). Narrowing the Digital Divide: "Head Start Teachers Develop Proficiency in Computer Technology". Education and Urban Society, 38, 398-405 2006.
4. Wozney, L., Venkatesh, V., & Abrami, P. (2006). Implementing Computer Technologies: Teachers' Perceptions and Practices; Journal of Technology and Teacher Education, 14, 173-207.
5. Furner, J. M., & Daigle, D. (2004). The Educational Software/Website Effectiveness Survey. International Journal of Instructional Media, 31, 61.

8. List Faculty Qualified to Teach This Course.

Computer Science faculty

9. Effective Date and Frequency.

- a. Projected semesters to be offered: Fall Spring Summer
- b. First semester offered: Fall 2007

10. New Resources Required. YES NO

If YES, list the resources needed and obtain signatures from the appropriate programs/units on the sheet below.

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

11. Will this new course alter any degree, credential, certificate, or minor in your program? YES NO

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

Robert E. Bleicher, Ph.D, Merilyn Buchanan, Ph.D,
William Wolfe, Ph.D

Proposer of Course

10/3/2006

Date

Request for GE Approval

Course Title	COMP 110 COMPUTER LITERACY FOR EDUCATORS
Units	3
Lab	No
New	Yes

GE Category	B4 Computers and Information Technology
Submitter	Bleicher, Robert
Submission Date	10-30-2006
Status	Approved

Criteria Justifications

- Promote the understanding and appreciation of the methodologies of math or science as investigative tools and the limitations of mathematical or scientific endeavors

The following learning objectives involve students in learning activities that aim to meet this criteria:

2. Perform an effective web search
4. Use MS Excel to organize and present data

Learning activities aiming at these two learning objectives will explicitly point out both the power and limitations of computers to find and filter information as well as represent data in different ways for different audiences. Excel is a good example of computer software designed to analyze and present scientific data. Limitations and fallacies involved in data representation will be discussed.

- Present mathematical or scientific knowledge in a historical perspective and the influences of math and science on the development of world civilizations, both past and present

HISTORY OF COMPUTERS - INTERNATIONAL is a topic that involves students in examining the international history of the development of computers and their impact on human civilization with special focus on the impact of the internet on global human affairs.

- Apply inductive and deductive reasoning processes and explore fallacies and misconceptions in the mathematical or scientific areas

The following learning objectives involve students in learning activities that aim to meet this criteria:

- 7. Produce professional documents that integrate and present relevant data
- 8. Evaluate critically various education software applications found commonly in school settings

Students will be involved in activities that require them to use several critical thinking skills, particularly application of inductive and deductive reasoning and the final use of evaluation in deciding which software applications are most appropriate for different educational purposes and settings.

- Include use of computers or information technology to solve problems as appropriate

The following learning objectives involve students in learning activities that aim to meet this criteria:

- 6. Use MS PowerPoint to create effective presentations
- 7. Produce professional documents that integrate and present relevant data
- 9. Use computer technology to communicate ideas clearly and convincingly

Students will learn to examine various questions and/or problems by using various computer technology including computer networks and the use of web-based applications such as browsers and other tools

Approval Sheet

Program/Course: Comp 110

Program Chair(s)	Date
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General Education Chair(s)	Date
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Curriculum Committee Chair(s)	Date
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Dean of Faculty	Date
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