RESOLVED: That CSC X302 be approved for credit in General Education and Breadth Area F.2.

Proposed By:
Academic Senate General Education and Breadth Committee
May 15, 1990
<table>
<thead>
<tr>
<th><strong>GENERAL EDUCATION AND BREADTH PROPOSAL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. PROPOSER'S NAME</strong></td>
</tr>
<tr>
<td>J. B. Connelly</td>
</tr>
<tr>
<td><strong>3. SUBMITTED FOR AREA (include section, and subsection if applicable)</strong></td>
</tr>
<tr>
<td><strong>4. COURSE PREFIX, NUMBER, TITLE, UNITS, DESCRIPTION, ETC. (use catalog format)</strong></td>
</tr>
<tr>
<td>The social and technological implications and effects of the applications of computer technology to the modern world. Examination of the positive and negative effects of those changes. Prerequisite: computer literacy or other CSC course and junior standing.</td>
</tr>
<tr>
<td><strong>5. SUBCOMMITTEE RECOMMENDATION AND REMARKS</strong></td>
</tr>
<tr>
<td><strong>6. GE &amp; B COMMITTEE RECOMMENDATION AND REMARKS</strong></td>
</tr>
<tr>
<td><strong>7. ACADEMIC SENATE RECOMMENDATION</strong></td>
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</tbody>
</table>
# Experimental/Subtitle Course Proposal

**Course Master File Number**

(* to be completed by Academic Programs*)

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Experimental Courses are normally valid for two years. Please attach an Expanded Course Outline.

Selected Advanced Topics (470, 471, 570, 571) are valid for one quarter only. Please attach an Expanded Course Outline. If the department plans to offer the proposed course for more than one quarter, the experimental course vehicle should be used.

Other Subtitle Courses: The catalog description should indicate that the course has subtitles. For the "Prefix/Number/Title" box, please use the information as shown in the catalog. The individual subtopic title should be shown in "Title for Class Schedule."

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**Department and School**

Computer Science/SENG

**Date**

2/6/90

**Prepared by**

J. B. Connely

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<table>
<thead>
<tr>
<th>1. Prefix/Number/Title</th>
<th>2. Units</th>
<th>3. GE/B Area:</th>
<th>4. Grading Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC X302 Computer Applications and Their Social and Cultural Implications</td>
<td>3</td>
<td>F2</td>
<td>Regular X CRNC</td>
</tr>
</tbody>
</table>

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**Course Description** (follow catalog format; limit to 40 words)

The social and technological implications and effects of the applications of computer technology to the modern world. Examination of the positive and negative effects of those changes. 3 units. Prerequisite: a computer literacy or other computer science course and junior standing.

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<table>
<thead>
<tr>
<th>6. Prerequisite</th>
<th>7. Quarter and Year</th>
<th>8. Title for Class Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>a computer literacy or other CSC course &amp; junior standing</td>
<td>Fall 1990</td>
<td>(maximum of 13 characters)</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>12. Number of Sections Anticipated</th>
<th>13. How Frequently Course Will Be Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 1 Winter 1 Spring 1 Summer 1</td>
<td>Yearly X Alternate Years</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>16. Required Course in Which Major/Concentration/Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

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18. Duplication or Approximation of Courses Now Being Offered or Now Being Proposed

None - CSC has never before offered a GE/B course for F2

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<table>
<thead>
<tr>
<th>21. Facilities, Materials, and Equipment Needed to Accommodate Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>classroom, possibly a p.c. lab.</td>
</tr>
</tbody>
</table>

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**Approvals**

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This form will be returned to the department by the Academic Programs Office with the number noted after a Course Master File catalog number has been assigned by the computer.

*Courses proposed for inclusion in GE/B must be submitted to the GE/B Committee.*

---

This form will be returned to the department by the Academic Programs Office with the number noted after a Course Master File catalog number has been assigned by the computer.

*Courses proposed for inclusion in GE/B must be submitted to the GE/B Committee.*

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9/96
I. Catalog Description

The social and technological implications and effects of the applications of computer technology to the modern world. Examination of the positive and negative effects of those changes. 3 units. Prerequisite: a computer literacy or other computer science course and junior standing.

II. Required Prerequisite Preparation

A computer literacy course in which skills have been developed in the use of an operating system and several software tools, e.g., a word processor, a database program and a spreadsheet program.

III. Expected Outcomes.

The student should be able to discuss the myriad ways in which computers are being applied to various tasks in our society, the impact of these applications on the workplace and home, and the social and cultural implications of the information society.

IV. Text and References

Texts:


References:


V. Minimum Student Materials Required

Pencil and Paper and texts.

VI. Minimum Facilities

Classroom.

VII. Expanded Description of Content and Method of Instruction

A. The role of computers in today's world
B. The Information Society
C. Aspects of Computer Science
   a. Software and Hardware
   b. Interfaces
   c. Large databases, worm drives, cd and optical disk technology.
   d. Networks
   e. Telecommunications
D. The individual and social effects of computer technology
   a. The changing concept of work, e.g., telecommuting
   b. Job creation and displacement
   c. Privacy
   d. The humanization of the workplace
E. Legal and ethical considerations
   a. Responsibility, Safety and Liability
   b. Security considerations
F. The Future
   a. The computerized house, university, society and world
   b. Speech and image recognition
   c. Automation and robotics
   d. The smart environment

VIII. Methods of Evaluating Outcomes

Reading assignments in textual materials and articles, short research papers, quizzes, a mid-term and final examination.
Based upon the recommendations by the Academic Affairs staff, I am pleased to approve the following resolutions of the Academic Senate: Resolution on Interdisciplinary General Education & Breadth Courses (AS-341-90/GE&B), Resolution on the Listing of Newly Approved GE&B Courses in the Class Schedule (AS-342-90/GE&B), and Resolution on Approval of CSc X302 into GE&B Area F.2 (AS-343-90/GE&B).
This will acknowledge receipt of your June 5 memo with which you transmitted the resolutions numbered 338 through 344. These resolutions are under review, and I will respond to them when the review has been completed.