COURSE PROPOSAL

TO: Office of Student Affairs
6426 Boelter Hall

FROM: L. Lichten, D.S. Parker
Computer Science

Course No. CS31 Title Introduction to Computer Science I Units 4

New Course X Revision Deletion

Prerequisites

CATALOG DESCRIPTION (Limit 40 words):

Existing catalog description:

31. Introduction to Computer Science I. Lecture, four hours; discussion, two hours; outside study, six hours. Limited to majors in computer science and engineering and computer science majors. Introduction to computer science via theory, applications, and programming. Operators and control structures. Functions, parameters, scope rules. Recursion. Arrays, strings, pointers. Object-oriented programming, classes, data abstraction. Input/output. Examples and exercises from computer science theory and applications.

Proposed revision:

31. Introduction to Computer Science I. Lecture, four hours; discussion, two hours; outside study, six hours. Limited to computer science and electrical engineering majors. Introduction to computer science via theory, applications, and programming. Basic data types, operators and control structures. Input/output. Procedural and data abstraction. Introduction to object-oriented software development. Functions, recursion. Arrays, strings, pointers. Abstract data types, object-oriented programming. Examples and exercises from computer science theory and applications.

JUSTIFICATION FOR PROPOSAL:

Existing catalog description is out of date.
Does this modification affect major or minor field program?
Yes _______ No _______

X

Submit major field program sheets with handwritten correction.

This course is recommended to satisfy an elective constraint as indicated below:

<table>
<thead>
<tr>
<th>Constraints</th>
<th>Suggested Units (please circle)</th>
<th>Units Approved by UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>0 1 2 3 4</td>
<td>0 1 2 3 4</td>
</tr>
<tr>
<td>Engineering Science</td>
<td>0 1 2 3 4</td>
<td>0 1 2 3 4</td>
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<tr>
<td>Laboratory</td>
<td>0 1 2 3 4</td>
<td>0 1 2 3 4</td>
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<tr>
<td>Engineering and Science in Society</td>
<td><strong>DO_NOT_FILL_IN</strong></td>
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<tr>
<td>Mathematics - Upper division</td>
<td>RECOMMENDED</td>
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Signatures(s):

___________________________ _______________________________
DEPARTMENT CHAIRMAN PROPOSER DATE

___________________________ _______________________________
ACADEMIC POLICY COMMITTEE (CSD) PROPOSER DATE
CHAIRMAN

___________________________ Signature:
EXECUTIVE COMMITTEE (SEAS) INSTRUCTOR IN CHARGE DATE
CHAIRMAN