WINONA STATE UNIVERSITY
REQUIRED CHECKLIST FOR ALL CURRICULAR PROPOSALS

Course or Program: CSI30

This checklist enables A2C2 representatives to endorse that their departments have accurately followed the Process for Accomplishing Curricular Change. For each course or program proposal submitted to A2C2, this checklist must be completed, signed by the submitting department's A2C2 representative, and included with the proposal when forwarded for approval. Peer review of proposals is also strongly advised, e.g., departments should discuss and vote on the proposals or submitted to A2C2, rather than just the ideas proposed or drafts of proposals.

If a proposal fails to follow or complete any aspect of the process, the Course and Program Proposal Subcommittee will postpone consideration of the proposal and return it to the department's A2C2 representative for completion and resubmission. Resubmitted proposals have the same status as newly submitted proposals.

Note: This form need not be completed for notifications.

1. The appropriate forms and the "Approval Form" have been completed in full for this proposal. All necessary or relevant descriptions, rationales, and notifications have been provided.
   - Completed
2a. The "Financial and Staffing Data Sheet" has been completed and is enclosed in this proposal, if applicable.
   - Completed
2b. For departments that have claimed that "existing staff" would be teaching the course proposed, an explanation has been enclosed in this proposal as to how existing staff will do this, e.g., what enrollment limits can be accommodated by existing staff. If no such explanation is enclosed, the department's representative is prepared to address A2C2's questions on this matter.
   - Completed
3. Arrangements have been made so that a department representative knowledgeable of this proposal will be attending both the Course and Program Proposal Subcommittee meeting and the full A2C2 meeting at which this proposal is considered.
   - Completed
   - Name and office phone number of proposal's representative: Mingrui Zhang
4. Reasonable attempts have been made to notify and reach agreements with all university units affected by this proposal. Units still opposing a proposal must submit their objections in writing before or during the Course and Program Proposal Subcommittee meeting at which this proposal is considered.
   - Completed
5. The course name and number is listed for each prerequisite involved in this proposal.
   - Completed
6. In this proposal for a new or revised program (major, minor, concentration, etc.), the list of prerequisites provided includes all the prerequisites of any proposed prerequisites. All such prerequisites of prerequisites are included in the total credit hour calculations.
   - Completed
7. In this proposal for a new or revised program, the following information for each required or elective course is provided:
   a. The course name and number.
   b. A brief course description.
   c. A brief statement explaining why the program should include the course.
   - Completed
8. This course or program revision proposal:
   a. Clearly identifies each proposed change.
   b. Displays the current requirements next to the proposed new requirements, for clear, easy comparison.
   - Completed
9. This course proposal provides publication dates for all works listed as course textbooks or references using a standard form of citation. Accessibility of the cited publications for use in this proposed course has been confirmed.
   - Completed

Department's A2C2 Representative or Alternate: [Signature]
Date: 2/1/02

[Revised 9-05]
If the proposed curricular change involves existing courses and is considered a Notification, complete and submit this form. Refer to Regulation 3-4, Policy for Changing the Curriculum, for complete information on submitting proposals for curricular changes.

Please check type of change(s):
- [ ] Reduction in course number
- [ ] Change in grading option
- [ ] Change in hours or credits in an independent study course
- [X] Change in course title
- [X] Change in course description*
- [ ] Change in course number within level, e.g., 310 to 350
- [ ] Change in delivery method
- [ ] Change in prerequisites
- [ ] Change in existing major, minor, option, concentration, etc.*
- [ ] Change in course title
- [ ] Change in course description*
- [ ] Change in major, minor, option, concentration, etc.*
- [ ] Change in prerequisites
- [ ] Change in course number within level, e.g., 310 to 350
- [ ] Change in delivery method

A. Current Course Information

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS130</td>
<td>Introduction to Computer Application Development</td>
<td>3</td>
</tr>
</tbody>
</table>

This proposal is for a(n) [X] Undergraduate Course [ ] Graduate Course

Applies to [ ] Major Required [ ] Minor Required [ ] Elective [ ] Elective

Grading [ ] Grade only [ ] P/NC only [ ] Grade and P/NC Option

Frequency of offering [ ] Every Semester

B. *If the proposal requests a change in the course description, please attach a description of the change requested and list both the current and proposed course description. If the proposal requests a change in an existing major, minor, option, concentration, etc., please attach a description of the change(s) requested and list both the current and proposed program listings.*

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Introduction to Computer Programming</td>
<td></td>
</tr>
</tbody>
</table>

Grading [ ] Grade only [ ] P/NC only [ ] Grade and P/NC Option

Frequency of offering

Effective date (normally the next semester) [ ] Fall 2012

Approved by the Department

Department Chair

Notification to the College Dean

e-mail address

Presented at A2C2 meeting on [ ] Date Chair of A2C2

Presented at Graduate Council meeting on (if applicable) [ ] Date Chair of Graduate Council

Submitted to Registrar on [ ] Date Registrar: Please notify department chair via e-mail that Notification has been recorded.

*If a dean has comments on a notification, the dean shall forward the comments to the department. [Revised 7-13-11]
Current Catalog Description:

130 — Introduction to Computer Application Development — 3 S.H.
Computer applications are designed to support and improve productivity in the workplace. Examples include elementary education, social networking, health information management and geographical information processing. This course provides students with an overview of the principles of computer application design, and leads students through a complete cycle of software development. Students will learn to design and implement computer applications to process social and/or environmental information. Emphasis will be on the fundamental elements, and skills in computer application development.

Proposed Catalog Description:

130 — Introduction to Computer Programming — 3 S.H.
Computer programs are designed to support and improve productivity in the workplace. This course provides students with an overview of the principles of computer program design, and leads students through a complete cycle of problem solving using computers. It introduces computational concepts such as data, sequence and objects, and their processing via iteration and repetition. No prior programming experience is necessary for this course.

Reason for Proposed Change:

Computer science designates the scientific and mathematical approach in information technology. It involves the studies of fundamental properties of computational problems, mathematical formulation of solutions and their implementations as computer programs. Fundamentals of computer science are essential for educated people living in the 21st century, and programming provides students opportunity to apply mathematical theories and logics in solving their daily problems.

This course is intended for non-Computer Science majors.
To: WSU Curriculum Committees, Senate, Administration

The computer science department proposes CSI30 Introduction to Computer Programming to teach students to program for math according to the Guidelines for the Review and Design of a Minnesota Transfer Curriculum.

Programming involves the construction of formal systems that begin with axioms and symbols. A computer program is created by combining those axioms and symbols using defined rules.

Sincerely,

Mingrui Zhang, Ph.D
Computer Science Department
Winona State University
Office: (507) 457 2980
Email: m.zhang@winona.edu
WINONA STATE UNIVERSITY
PROPOSAL FOR GENERAL EDUCATION PROGRAM COURSES

Department  Computer Science  Date  02/15/2012

CS130  Introduction to Computer Programming  3
Course No.  Course Name  Credits

Prerequisites  None

GEP Goal Area(s):*

CORE GOAL AREAS

× Goal 4: Mathematics/Logical Reasoning
Goal 1: Communication
Goal 3: Natural Science
Goal 5: History and the Social and Behavioral Sciences
Goal 6: The Humanities and Fine Arts

THEME GOAL AREAS

Goal 7: Human Diversity
Goal 8: Global Perspective
Goal 9: Ethical and Civic Responsibility
Goal 10: People and the Environment

* Courses may be submitted for up to two Goal Areas.

Additional Requirement Categories:

— Intensive:
  1. Writing
  2. Oral Communication
  3. a. Mathematics/Statistics
     b. Critical Analysis

— Physical Development and Wellness

Provide information as specified in the previous directions.

Attach a General Education Program Approval Form.

Department Contact Person for this Proposal:

Minprui Zhang  507-250-1159  mzhang@winona.edu
Name (please print)  Phone  e-mail address

[Revised 9-6-11]
Include a Financial and Staffing Data Sheet with any proposal for a new course, new program, or revised program.

Please answer the following questions completely. Provide supporting data.

1. Would this course or program be taught with existing staff or with new or additional staff? If this course would be taught by adjunct faculty, include a rationale.

   The program will be taught by existing faculty/staff.

2. What impact would approval of this course/program have on current course offerings? Please discuss number of sections of current offerings, dropping of courses, etc.

   No impact.

3. What effect would approval of this course/program have on the department supplies? Include data to support expenditures for staffing, equipment, supplies, instructional resources, etc.

   No impact.

[Revised 9-05]
WINONA STATE UNIVERSITY
GENERAL EDUCATION PROGRAM APPROVAL FORM

Routing form for General Education Program Course approval.

<table>
<thead>
<tr>
<th>Course</th>
<th>CS130</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Department Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Naoebnath</strong></td>
</tr>
<tr>
<td><strong>2/15/12</strong></td>
</tr>
<tr>
<td>Department Chair</td>
</tr>
<tr>
<td><a href="mailto:ndebnath@winona.edu">ndebnath@winona.edu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dean's Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>X</strong> Yes</td>
</tr>
<tr>
<td><strong>No</strong></td>
</tr>
<tr>
<td>Dean of College</td>
</tr>
<tr>
<td><strong>2-15-12</strong></td>
</tr>
</tbody>
</table>

*If the dean does not approve the proposal, a written rationale shall be provided to the General Education Program Subcommittee.*

<table>
<thead>
<tr>
<th>GEPS Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved</strong></td>
</tr>
<tr>
<td><strong>Disapproved</strong></td>
</tr>
<tr>
<td>General Education Program Director</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A2C2 Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved</strong></td>
</tr>
<tr>
<td><strong>Disapproved</strong></td>
</tr>
<tr>
<td>Chair of A2C2</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Faculty Senate Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved</strong></td>
</tr>
<tr>
<td><strong>Disapproved</strong></td>
</tr>
<tr>
<td>President of Faculty Senate</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Academic Vice President Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved</strong></td>
</tr>
<tr>
<td><strong>Disapproved</strong></td>
</tr>
<tr>
<td>Academic Vice President</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Decision of President</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Approved</strong></td>
</tr>
<tr>
<td><strong>Disapproved</strong></td>
</tr>
<tr>
<td>President</td>
</tr>
<tr>
<td>Date</td>
</tr>
</tbody>
</table>

Please forward to Registrar.

<table>
<thead>
<tr>
<th>Registrar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date entered</td>
</tr>
</tbody>
</table>

Please notify department chair via e-mail that curricular change has been recorded.

[Revised 7-13-11]