PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

DEPARTMENT: EPICS  EFFECTIVE SESSION: Spring 2010

INSTRUCTIONS: Please check the items below which describe the purpose of this request:

☐ 1. New course with supporting documents
☐ 2. Add existing course offered at another campus
☐ 3. Expiration of a course
☐ 4. Change in course number
☐ 5. Change in course title
☐ 6. Change in course credit/type
☐ 7. Change in course attributes (department head signature only)
☐ 8. Change in instructional hours
☐ 9. Change in course description
☐ 10. Change in course requisites
☐ 11. Change in semesters offered (department head signature only)
☐ 12. Transfer from one department to another

PROPOSED:

Subject Abbreviation: EPICS  EXISTING:

Subject Abbreviation: EPICS

Course Number: 30100  Course Number: 30100

TERM OFFERED

☐ Summer  ☑ Fall  ☑ Spring

CAMPUS(ES) INVOLVED

☐ Calumet  ☑ N. Central
☐ Cont Ed  ☑ Tech Statewide
☐ Ft. Wayne  ☐ W. Lafayette
☐ Indianapolis

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

Short Title: Junior Participation in EPICS

CREDIT TYPE

1. Fixed Credit: Cr. Hrs.  1  2. Variable Credit Range:               3. Equivalent Credit: Yes [ ] No [ ]

Minimum Cr. Hrs. (Check One)  To [ ] Or [ ]

Maximum Cr. Hrs.  

Variable Title [ ] Honors [ ]

Cross Listed Courses


Maximum Repeatable  4. Credit by Examination [ ]  5. Special Fees [ ]

5% of Credit

Weeks Offered  8. 16  9. Full Time Privilege [ ]

% of Credit  33%

Course Attributes: Check All That Apply

Course Description (Include Prerequisites/Restrictions):

See Attached

This change is to allow Purdue Columbus site this course offering.

COURSE LEARNING OUTCOMES

See Attached

Calumet Department Head Date  Calumet School Dean Date

Fort Wayne Department Head Date  Fort Wayne School Dean Date

Indianapolis Department Head Date  Indianapolis School Dean Date

North Central School Dean Date  North Central Vice Chancellor for Academic Affairs Date

OFFICE OF THE REGISTRAR

[Signatures and dates]
PURDUE UNIVERSITY
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DEPARTMENT: EPICS
EFFECTIVE SESSION: Spring 2010

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PROPOSED:

Subject Abbreviation: EPICS
Course Number: 30100
Long Title: Junior Participation in EPICS

EXISTING:

Subject Abbreviation: EPICS
Course Number: 30100

TERMS OFFERED:

☐ Summer ☐ Fall ☐ Spring

CAMPUS(ES) INVOLVED:

☐ Calumet ☐ Fort Wayne ☐ Indianapolis
☐ Tech Statewide ☐ W. Lafayette

Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)

COURSE ATTRIBUTES: Check All That Apply

1. Pass/No Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Credit by Examination
5. Special Fees
6. Registration Approval Type
7. Variable Title
8. Honors
9. Full Time Privilege
10. Off Campus Experience

<table>
<thead>
<tr>
<th>CREDIT TYPE</th>
<th>COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fixed Credit: Cr. Hrs.</td>
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<tr>
<td>Minimum Cr. Hrs</td>
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<td>(Check One) To</td>
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<tr>
<td>Maximum Cr. Hrs</td>
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<tr>
<td>3. Equivalent Credit: Yes</td>
<td></td>
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<tr>
<td>☐ No</td>
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</table>

Schedule Type

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Recitation</th>
<th>Presentation</th>
<th>Laboratory</th>
<th>Lab Prep</th>
<th>Studio</th>
<th>Practicum</th>
<th>Research</th>
<th>Ind. Study</th>
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</tbody>
</table>

Minutes Per Week

Cross-Listed Courses

See Attached

*COURSE LEARNING OUTCOMES

See Attached

Calumet Department Head Date
Calumet School Dean Date

Fort Wayne Department Head Date
Fort Wayne School Dean Date

Indianapolis Department Head Date
Indianapolis School Dean Date

North Central School Dean Date
North Central Vice Chancellor for Academic Affairs Date

West Lafayette Department Head Date
West Lafayette College/School Dean Date
West Lafayette Registrar Date

OFFICE OF THE REGISTRAR
TO: The Engineering Faculty
FROM: The EPICS Curriculum Committee
RE: New EPCS Course Numbers

The EPICS Curriculum Committee has approved the following new course number. This action is now submitted to the Engineering Faculty with a recommendation for approval.

EPCS 301 JUNIOR PARTICIPATION IN EPICS
Offered Fall and Spring, Summer by special arrangement. Credit 1.
Prerequisite: Junior standing.

Course Description: Continuation of EPCS courses (see EPCS 101). The responsibilities of juniors include working with the seniors in the planning and organization of the project, contributing to the design process, problem solving by contributing expertise from their discipline, meeting with the customer, and the mentorship of sophomores and freshmen. EPCS 301 is offered for 1 credit. The EPICS procedures manual provides information on expected relative workload for EPCS 301 and EPCS 302 students. May be repeated for credit. May not be taken concurrently with EPCS 302.

REASON:

The Engineering Projects in Community Service (EPICS) courses are currently offered under 18 different course numbers within 9 different disciplines. The new course numbers aim to reflect the multidisciplinary nature of the course while also easing the registration difficulties of multiple, co-listed course numbers. Each participating department/school would determine how their students’ credits in EPICS count toward graduation requirements.

Normally Offered: Each Fall, Spring. Offered Summer by special arrangement.


Recommended Reference(s): None.

Course Outcomes:

A student who successfully fulfills the course requirements with at least 3 credits of EPICS taken over 2 or more semesters will have demonstrated:
i. an ability to apply material from their discipline to the design of community-based projects

ii. an understanding of design as a start-to-finish process

iii. an ability to identify and acquire new knowledge as a part of the problem-solving/design process

iv. an awareness of the customer

v. an ability to function on multidisciplinary teams and an appreciation for the contributions from individuals from multiple disciplines

vi. an ability to communicate effectively with audiences with widely-varying backgrounds

vii. an awareness of professional ethics and responsibility

viii. an appreciation of the role that their discipline can play in social contexts

Lecture Outline:

Weeks Lectures
1-15 All EPICS students have a common lecture hour. Lecture topics include the design process, verbal and written communication, project management and planning, ethical and legal issues in engineering design, entrepreneurship, intellectual property, team dynamics and leadership and community involvement. Lectures are supplemented with sessions on specific technical topics relevant to the projects.

Lab Outline:

<table>
<thead>
<tr>
<th>Week</th>
<th>Major Course Milestones</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Semester Project Plan</td>
</tr>
<tr>
<td>3</td>
<td>Personal Semester Goals</td>
</tr>
<tr>
<td></td>
<td>Project Charters (new projects); Project Demonstration (continuing projects); Review of Design Notebooks; Delivery Review of Projects to be Delivered Week 4.</td>
</tr>
<tr>
<td>5 - 6</td>
<td>Continued Progress on Projects and Project Documentation.</td>
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<tr>
<td>7</td>
<td>Internal Design Review; oral or poster presentation</td>
</tr>
<tr>
<td>8</td>
<td>Peer evaluation and self assessment; Review of Design Notebooks.</td>
</tr>
<tr>
<td>9 - 10</td>
<td>Continued Progress on Projects and Project Documentation</td>
</tr>
<tr>
<td>11</td>
<td>Project Design Review; Delivery Review of Projects to be Delivered Week 11.</td>
</tr>
<tr>
<td>12 - 14</td>
<td>Continued Progress on Projects and Project Documentation.</td>
</tr>
<tr>
<td>15</td>
<td>Team Report; Review of Design Notebooks; Peer evaluation and self assessment</td>
</tr>
<tr>
<td>Final</td>
<td>Team Presentation</td>
</tr>
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</table>
**PURDUE UNIVERSITY**
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF A COURSE

**EFFECTIVE SESSION**: 02/05

**INSTRUCTIONS**: Please check the items below which describe the purpose of this request.

<table>
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<tr>
<th>Proposed:</th>
<th>Existing:</th>
<th>Terms Offered</th>
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<tr>
<td>Subject Abbreviation: EPCS</td>
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<td>CAMPUS(ES) INVOLVED</td>
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<td>Course Number: 301</td>
<td>Course Number:</td>
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</tr>
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<td>Indianapolis</td>
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**PROPOSED:**

- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit/type

**EXISTING:**

- Subject Abbreviation
- Course Number

**PROPOSED CREDIT TYPE**

- Fixed Credit: Cr. Hrs.
- Variable Credit Range:
  - Minimum Cr. Hrs (Check One) To
  - Maximum Cr. Hrs
- Equivalent Credit: Yes
- Thesis Credit: Yes

**COURSEATTRIBUTES: Check All That Apply**

- Pass/Not Pass Only
- Satisfactory/Unsatisfactory Only
- Repeatable
- Maximum repeatable credit:
- Credit by Examination
- Designator Required
- Special Fees

**INSTRUCTIONAL TYPE**

- Minutes Per Instr: 50
- Meetings Per Week: 1
- Weeks Offered: 5
- % of Credit Allocated: 33%
- Delivery Method (Asyn. Or Syn.): Live

**DELIVERY MEDIUM**

- Audio, Internet, Live, Text-Based, Video

**COURSE DESCRIPTION (INCLUDE REQUISITES):**

Please see attached.

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**Calumet Undergrad Curriculum Committee**

**Calumet Department Head**

**Calumet School Dean**

**Fort Wayne Department Head**

**Fort Wayne School Dean**

**Indianapolis Department Head**

**Indianapolis School Dean**

**North Central Department Head**

**North Central Chancellor**

**West Lafayette Department Head**

**West Lafayette School Dean**

**Graduate Area Committee Convener**

**Graduate Dean**

**Undergrad Curriculum Committee**

**Fort Wayne Chancellor**

**Date Approved by Graduate Council**

**Graduate Council Secretary**

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**OFFICE OF THE REGISTRAR**

34-04