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

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: EPCS
Course Number: 30200
Long Title: Junior Participation in EPICS
Short Title:

EXISTING:

Subject Abbreviation: EPCS
Course Number: 30200

TERMS OFFERED:

☐ Summer
☐ Fall
☒ Spring

CAMPUS(ES) INVOLVED

☒ Calumet
☒ Cont Ed
☒ Tech Statewide
☐ Ft. Wayne
☐ W. Lafayette
☐ Indianapolis

Abbreviated title will be entered by the Office of the Registrar in all capital letters when the course is approved.

CREDIT TYPE

1. Fixed Credit: Cr. Hrs.: 2
2. Variable Credit Range: Minimum Cr. Hrs. (Check One)
   ☐ 1
   ☐ 2
   ☐ 3
   ☐ 4
   ☐ 5
   ☐ 6
   ☐ 7
   ☐ 8
   ☐ 9
   ☐ 10

☐ Maximum Repeatability: 6

3. Equivalent Credit: Yes ☐

Schedule Type

Lecture: 5U
Presentation: Per Mtg
Lab Prep: 100
Studio: 1
Distance: 1
Clinic: 1
Experiential: 1
Research: 1
Ind. Study: 1
Prac/Observ: 1

Minutes Per Meets Per Week % of Credit Offered Allocated
50 1 5 35%

Cross-Listed Courses

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. Variable Title ☐
7. 8 Honors ☐
8. Full Time Privilege ☐
9. Off Campus Experience ☐

COURSE DESCRIPTION (INCLUDE REQUIREMENTS/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

Ft. Wayne Department Head: Date
Ft. Wayne School Dean: Date

Indianapolis Department Head: Date
Indianapolis School Dean: Date

North Central Department Head: Date
North Central School Dean: Date

OFFICE OF THE REGISTRAR
**PURDUE UNIVERSITY**

**REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE**

**(10000-40000 LEVEL)**

<table>
<thead>
<tr>
<th>DEPARTMENT</th>
<th>EPICS</th>
<th>EFFECTIVE SESSION</th>
<th>Spring 2010</th>
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**INSTRUCTIONS:** Please check the items below which describe the purpose of this request:

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<tr>
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<td>Junior Participation in EPICS</td>
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**TERMS OFFERED**

Check All That Apply:

- [ ] Summer
- [ ] Fall
- [ ] Spring

**CAMPUS(ES) INVOLVED**

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

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

See Attached

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

**COURSE LEARNING OUTCOMES:**

See Attached

Please fill out all sections before signing.

**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:**

**Office of the Registrar**

**West Lafayette Registrar:**

Date

[Handwritten approval signatures]
TO: The Engineering Faculty
FROM: The EPICS Curriculum Committee
RE: New EPICS 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 302 JUNIOR PARTICIPATION IN EPICS
Offered Fall and Spring, Summer by special arrangement. Credit 2.
Prerequisite: Junior standing.

Course Description: Continuation of EPICS 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 302 is offered for 2 credits. 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 301.

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
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:

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

**Department:** EPCS  
**Effective Session:** 02/05

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

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- [ ] 10. Change in course requisites
- [ ] 11. Change in semesters offered

**PROPOSED:**

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**EXISTING:**

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**Long Title:** Junior Participation in EPICS  
**Short Title:** Jr Part in EPICS

Abbreviated title will be entered by the Office of the Registrar if omitted. (22 CHARACTERS ONLY)

**TERMS OFFERED**

- [ ] Summer
- [ ] Fall
- [ ] Spring

**CAMPUS(ES) INVOLVED**

- Calumet
- Fort Wayne
- Indianapolis
- N. Central
- W. Lafayette
- Cont Ed
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**CREDIT TYPE**

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**COURSE DESCRIPTION (INCLUDE REQUISITES):**

Please see attached.