

PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION,
OR REVISION OF A GRADUATE COURSE
(50000-60000 LEVEL)

ENGR 69299
Graduate Council Doc. No. 13-29b
EFD 45-13

DEPARTMENT Office of Professional Practice EFFECTIVE SESSION 201320 201430

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> 1. New course with supporting documents (complete proposal form) | <input type="checkbox"/> 7. Change in course attributes |
| <input type="checkbox"/> 2. Add existing course offered at another campus | <input type="checkbox"/> 8. Change in instructional hours |
| <input type="checkbox"/> 3. Expiration of a course | <input type="checkbox"/> 9. Change in course description |
| <input type="checkbox"/> 4. Change in course number | <input type="checkbox"/> 10. Change in course requisites/restrictions |
| <input type="checkbox"/> 5. Change in course title | <input type="checkbox"/> 11. Change in semesters offered |
| <input type="checkbox"/> 6. Change in course credit/type | <input type="checkbox"/> 12. Transfer from one department to another |

PROPOSED: Subject Abbreviation <u>ENGR</u> Course Number <u>69299</u> Long Title <u>Professional Practice Graduate Co-Op II</u> Short Title <u>Pro Prac Grad Co-Op II</u> <small>Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)</small>	EXISTING: Subject Abbreviation _____ Course Number _____	TERMS OFFERED Check All That Apply: <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring <input checked="" type="checkbox"/> Summer CAMPUS(ES) INVOLVED <input type="checkbox"/> Calumet <input type="checkbox"/> N. Central <input type="checkbox"/> Cont Ed <input type="checkbox"/> Tech Statewide <input type="checkbox"/> Ft. Wayne <input checked="" type="checkbox"/> W. Lafayette <input type="checkbox"/> Indianapolis
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CREDIT TYPE 1. Fixed Credit: Cr. Hrs. <u>0</u> 2. Variable Credit Range: Minimum Cr. Hrs. _____ (Check One) To <input type="checkbox"/> Or <input type="checkbox"/> Maximum Cr. Hrs. _____ 3. Equivalent Credit: Yes <input type="checkbox"/> No <input type="checkbox"/> 4. Thesis Credit: Yes <input type="checkbox"/> No <input type="checkbox"/>	COURSE ATTRIBUTES: Check All That Apply 1. Pass/Not Pass Only <input type="checkbox"/> 2. Satisfactory/Unsatisfactory Only <input type="checkbox"/> 3. Repeatable <input type="checkbox"/> Maximum Repeatable Credit: _____ 4. Credit by Examination <input type="checkbox"/> 5. Special Fees <input type="checkbox"/> 6. Registration Approval Type Department <input type="checkbox"/> Instructor <input checked="" type="checkbox"/> 7. Variable Title <input type="checkbox"/> 8. Honors <input type="checkbox"/> 9. Full Time Privilege <input type="checkbox"/> 10. Off Campus Experience <input type="checkbox"/>
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Schedule Type	Minutes Per Mtg	Meetings Per Week	Weeks Offered	% of Credit Allocated
Lecture				
Recitation				
Presentation				
Laboratory				
Lab Prep				
Studio				
Distance				
Clinic				
Experiential	✓			
Research				
Ind. Study				
Pract/Observ				

Cross-Listed Courses

RECEIVED
JAN 27 2014
OFFICE OF THE REGISTRAR

COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):
 Graduate cooperative education experience. Program coordinated by the Office of Professional Practice with cooperation from academic disciplines and participating employers. Students submit technical report and company evaluation.
 Restrictions: Graduate Professional Practice students only. Prerequisite: ENGR69199
 Professor Groll.

Calumet Department Head _____ Date _____	Calumet School Dean _____ Date _____	Calumet Undergrad Curriculum Committee _____ Date _____
Fort Wayne Department Head _____ Date _____	Fort Wayne School Dean _____ Date _____	Fort Wayne Chancellor _____ Date _____
Indianapolis Department Head _____ Date _____	Indianapolis School Dean _____ Date _____	Undergrad Curriculum Committee _____ Date _____
North Central Department Head _____ Date _____	North Central School Dean _____ Date _____	APPROVED 1/16/14 Date Approved by Graduate Council
West Lafayette Department Head _____ Date _____	West Lafayette College/School Dean _____ Date _____	Graduate Council Secretary _____ Date _____
Graduate Area Committee Convener _____ Date _____	Graduate Dean _____ Date _____	West Lafayette Registrar _____ Date _____

Date: February 27, 2013

TO: Faculty of the College of Engineering
FROM: The Professional Practice Advisory Council (PPAC)
SUBJECT: New Graduate Course, PPE 69299 Professional Practice Graduate
Co-Op II

The Professional Practice Advisory Council has approved the new course listed below. .
This action is now submitted to the Engineering Faculty with a recommendation for
approval.

PPE 69299 Professional Practice Graduate Co-Op II

Sem. 1, 2 or SS, cr. 0.

Restrictions: Graduate Professional Practice students only

Prerequisite: PPE 69199

Course Description:

Graduate cooperative education experience. Program coordinated by the Office of
Professional Practice with cooperation from academic disciplines and participating
employers. Students submit technical report and company evaluation.

REASON: To establish appropriate courses for recently established Masters-level
Cooperative Education Program.



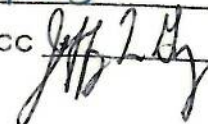
*Eckhard Groll/Dr. Eng.
Professor of Mechanical Engineering
Director of Office of Professional Practice*

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes #13

Date 5/10/2013

Chairman ECC



**Supporting Document for a New Graduate
Course**

To: Purdue University Graduate Council

From: Faculty Member: Eckhard Groll
Department: Office of Professional Practice
Campus: West Lafayette

Date: February 27, 2013

Subject: Proposal for New Graduate Course-Documentation
Required by the Graduate Council to Accompany
Registrar's Form 40G

For Reviewer's comments only (Select One)
<input type="radio"/>
Reviewer:
Comments:

Contact for information if questions arise: Name: Tina Alsup
Phone Number: 67376
E-mail: alsup@purdue.edu
Campus Address: POTR 118

Course Subject Abbreviation and Number: PPE 69299

Course Title: Professional Practice Graduate Co-Op II

A. Justification for the Course:

- Provide a complete and detailed explanation of the need for the course (e. g., in the preparation of students, in providing new knowledge/training in one or more topics, in meeting degree requirements, etc.), how the course contributes to existing majors and/or concentrations, and how the course relates to other graduate courses offered by the department, other departments, or interdisciplinary programs.
- Justify the level of the proposed graduate course (500- or 600-level) including statements on, but not limited to: (1) the target audience, including the anticipated number of undergraduate and graduate students who will enroll in the course; and (2) the rigor of the course.

B. Learning Outcomes and Method of Evaluation or Assessment:

- Describe the course objectives and student learning outcomes that address the objectives (i.e., knowledge, communication, critical thinking, ethical research, etc.).
- Describe the methods of evaluation or assessment of student learning outcomes. (Include evidence for both direct and indirect methods.)
- Grading criteria (select from dropdown box); include a statement describing the criteria that will be used to assess students and how the final grade will be determined.

Criteria Papers and Projects

- Identify the method(s) of instruction (select from dropdown box) and describe how the methods promote the likely success of the desired student learning outcomes.

Method of Instruction | Experiential

C. Prerequisite(s):

- List prerequisite courses by subject abbreviation, number, and title.
- List other prerequisites and/or experiences/background required. If no prerequisites are indicated, provide an explanation for their absence.

D. Course Instructor(s):

- Provide the name, rank, and department/program affiliation of the instructor(s).
- Is the instructor currently a member of the Graduate Faculty? Yes No
(If the answer is no, indicate when it is expected that a request will be submitted.)

E. Course Outline:

- Provide an outline of topics to be covered and indicate the relative amount of time or emphasis devoted to each topic. If laboratory or field experiences are used to supplement a lecture course, explain the value of the experience(s) to enhance the quality of the course and student learning. For special topics courses, include a sample outline of a course that would be offered under the proposed course.

F. Reading List (including course text):

- A primary reading list or bibliography should be limited to material the students will be required to read in order to successfully complete the course. It should not be a compilation of general reference material.
- A secondary reading list or bibliography should include material students may use as background information.

G. Library Resources

- Describe the library resources that are currently available or the resources needed to support this proposed course.

H. Example of a Course Syllabus (While not a necessary component of this supporting document, an example of a course syllabus is available, for information, by clicking on the link below, which goes to the *Graduate School's Policies and Procedures Manual for Administering Graduate Student Programs*. See Appendix K.)

http://www.gradschool.purdue.edu/downloads/Graduate_School_Policies_and_Procedures_Manual.pdf

A. Justification for the Course:

- Currently no integrated graduate-level cooperative education programs exist within the engineering programs of Purdue University's peer institutions. By introducing such a program, the College of Engineering at Purdue University will be able to position itself as a unique and forward thinking entity in the recruitment of graduate students. The MS-level cooperative education program differs from the traditional MS degree programs in two main aspects. First, students use thesis research or independent project courses to conduct relevant work-integrated research and/or development experiences. Second, students participate in a minimum of two semesters of work-integrated learning that is directly related to their research/development experiences. Such a program will provide a very important and highly desired option to superior students who are oriented towards developing stronger technical skills and a broader industrial knowledge base than they would develop through exposure to the traditional MS curriculum alone. This will prepare graduates, who are interested in pursuing either technical and/or research careers in industry.

All students will have to meet the regular course requirements of the MS degrees in their chosen disciplines. The program is geared towards those students who demonstrate the commitment, and the academic ability, to be successful in the program. Therefore, only highly motivated and qualified students will be counseled to enter the MS-level cooperative education program.

As with the current undergraduate cooperative education program, student will enroll in a 0-credit hour experiential course during each work session with full time privileges.

One non-repeatable course will be created for each of four potential work sessions. These courses will use the approved professional practice fee.

- The professional practice courses will be created as 60000-level courses with only MS students enrolling. Only highly motivated and qualified students will be counseled to enter the MS-level cooperative education program.

B. Learning Outcomes and Method of Evaluation or Assessment:

- The director of the Office of Professional Practice, through a network of co-operative education coordinators, serves as the facilitating body to 1) moderate the progress of students after each academic and work session and to (2) assess course outcomes via:
 - Student evaluation of work sessions
 - Supervisor evaluation of student
 - Work session technical report
- The course will be graded as Satisfactory/Unsatisfactory progress.

C. Prerequisite(s):

- Students in the MS-level cooperative education program will be required to maintain a minimum GPA of 3.0. Only students in disciplines that offer MS programs are able to participate.

D. Course Instructor:

- Dr. Eckhard Groll
Professor of Mechanical Engineering
Director of Office of Professional Practice
- Dr. Groll is currently a member of the Graduate Faculty

E. Course Outline:

- Course work will consist of work-integrated learning that is directly related to the student's research/development experiences. Each student will be required to submit:
 - Student evaluation of work sessions
 - Supervisor evaluation of student
 - Work session technical report

F. Reading List:

- There are no required readings for this course.

G. Library Resources

- No library resources are required to support this proposed course.