TO: The Faculty of the College of Engineering
FROM: The Faculty of the School of Engineering Education
RE: IDE48300 - Removal of "permission of department required"

The faculty of the School of Engineering Education approved the removal of "permission of department required" and replace with "Must be a Multidisciplinary Engineering major or Interdisciplinary Engineering Studies major". This action is now submitted to the Engineering Faculty with a recommendation for approval.

IDE 48300 - Multidisciplinary Engineering Analysis & Decision Making
Sem. 1. Cr. 1.
Application of product evaluation, cost estimating, and product/project feasibility and viability analysis from multidisciplinary perspectives in the context of new product development. Topics include exposure to company success measures, quantitative and qualitative analysis, sensitivity analysis, cost-benefit analysis, project comparisons, new product life-cycle analysis, and related engineering decisions. Topics are explored through case-based, industrially focused examples. The course centers on the creation and use of analytical spreadsheets with computer tools/software for routine engineering analysis and decision making. Permission of instructor required. "Must be a Multidisciplinary Engineering major or Interdisciplinary Engineering Studies major".

REASON: This is correction of a clerical error in completion of form 40 when course was initially created.

Donna Riley
Professor and Head
School of Engineering Education
**Read Before You Begin to Import the Course to Change**

Click on the Import Icon
Select “Filter by Field”
Choose “Prefix”
Use an asterisk (*) for a wildcard search, i.e. COM*
Select the course you would like to import

Once you import, DO NOT make changes to the existing information yet.
Go to the top of the proposal to click the area to validate and launch.

<table>
<thead>
<tr>
<th>Originating Campus*</th>
<th>West Lafayette</th>
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<td></td>
<td>Northwest</td>
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<td></td>
<td>Fort Wayne</td>
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<td>IUPUI</td>
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**Campus**
- **Purdue West Lafayette**

**Non-Originating Campus(es):**
- None
- West Lafayette
- Northwest
- Fort Wayne
- IUPUI
- Northwest & Fort Wayne
- Northwest & IUPUI
- West Lafayette & Northwest
- West Lafayette & Fort Wayne
- West Lafayette & IUPUI
- Fort Wayne & IUPUI
Indicate all revisions to the course by checking the appropriate box(s) below. Since the proposal has been launched, all changes can now be tracked and viewed in the proposal. Make changes to the information in the same fields that have the existing or blank information. You may add additional information for clarity in the "Additional Course Information" field.

- Course Attributes
- Course Description
- Course Fees
- Course Number
- Course Title
- Credit Hours
- Crosslisted Course/Equivalent Course
- Full Time Privilege
- Grade Mode
- Learning Outcomes
- Offer Existing Course at Another Campus
- Pass/Not Pass only
- Prerequisite
- Repeatable
- Restrictions
- Satisfactory/Unsatisfactory Only
- Schedule Type
- Terms offered
- Transfer from One Department to Another
Proposed Effective Term

Fall 2018

Make changes in the fields below

Course Numbers: All course numbers may only be used once for a course in order to allow our repeat course audit to work properly. Before submitting a form for a new course or renumber, please make sure the course number is available. Please remember Purdue now uses 5-digit course numbers to allow more options for the departments. This may be verified through the following:

Legacy Course Catalog: https://www.purdue.edu/registrar/legacy/catalog.cfm

Banner Course Catalog: https://selfservice.mypurdue.purdue.edu

<table>
<thead>
<tr>
<th>Subject Code*</th>
<th>IDE</th>
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<tbody>
<tr>
<td>Course Number*</td>
<td>48300</td>
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| Long Title* | Multidisciplinary Engineering Analysis & Decision Making |

| Short Title (max 30 characters) | MDE Engr Analysis/Decision |

Multiple Campuses: There is only one version of a course in the catalog! Forms requesting title, credit, schedule type, description, renumber or attribute modifications for courses offered at multiple campuses, must be agreed upon by all involved, otherwise the request will be denied and no change will be made. If agreed, the modification will be made and will affect all campuses, not just the campus requesting the change. Standard turnaround time for all approvals/denials is 30 days.

Terms Offered (Check all that apply)

- Fall
- Spring
- Summer

Credit Hours

| Credit Hours | 1.00 |

Course Repeat Status

- Course may be repeated
- Course may not be repeated

If repeatable, is this:

- Unlimited
- Maximum Repeatable Credit

Maximum Credit Amount
Grade Mode  
(Select all that apply)
- Regular Grade
- Pass/No Pass Option
- Audit
- Satisfactory/Unsatisfactory

Course Fees: The following fees are provided on the form: Coop, Lab, and Rate Request. In order to ensure the accurate fee is assessed on a course, the Bursar's Office would like to have an explanation included with the form along with the business manager's contact information if additional information is needed.

Additional Fees
- Yes
- No

Attributes  
(Select all that apply)
- Variable Title
- Honors
- Full-Time Privileges
- Half-Time Privileges
- Internship
- Coop
- Parallel Coop
- Credit By Exam

Schedule Type/Credit Hour: The following links will provide explanations of the schedule types and credit hours to assist in assigning accurate types to a course.

Schedule Type Classifications
Credit Hour Guidelines

Use the following instructions to add schedule type or show changes for the course in the text box. Examples are listed below.

Schedule Type
Minutes per Meeting
Number of Meeting per week
Weeks per term

Examples: (3 credit course) LEC/50min per mtg/3 mtgs per wk/16 wks per term OR (3 credit course with Lecture and Lab) LEC/50/2/16 and LAB/100/1/16
**Restrictions/Prerequisites:** If restrictions are being requested, please provide the proper Banner codes (major, program etc.) to ensure all are accurately reflected on the course. All codes may be found on our website under Advisors/Active PWL Major Programs, and Active PWL Minors links:

- Restriction Types: major, program or school codes; never use more than one
- Use the words "and" or "or" when filling out form instead of commas
- Co-requisite courses are always required to be taken at the same time
- Concurrent prerequisite courses may be taken during the same semester or in a previous term
- 600-level prerequisites are not enforced, they are added to description as informational text

If there is an equivalent course the department would like listed with the prerequisites, that specific course will need to be specified on the form in order to have it enforced through the system.

**Explain changes to restrictions:**

Removal of “permission of department required” and replace with “Must be a Multidisciplinary Engineering major or Interdisciplinary Engineering Studies major”.

**Explain changes to requisite information:**

Remove "Permission of instructor required". Pre-req MA 16600 or MA 16200. "Must be a Multidisciplinary Engineering major or Interdisciplinary Engineering Studies major".
**Course Description**

Credit Hours: 1.00. Application of product evaluation, cost estimating, and product/project feasibility and viability analysis from multidisciplinary perspectives in the context of new product development. Topics include exposure to company success measures, quantitative and qualitative analysis, sensitivity analysis, cost-benefit analysis, project comparisons, new product life-cycle analysis, and related engineering decisions. Topics are explored through case-based, industrially focused examples. The course centers on the creation and use of analytical spreadsheets with computer tools/software for routine engineering analysis and decision making. Permission of department required. Typically offered Fall.

**Learning Outcomes**

(Please only provide learning outcomes if changes are being made or if they were not previously provided.)

**Additional Course Information (if needed)**

**Syllabus** - Attach using the directions below:

Navigate to the Proposal Toolbox at the top of the right side.

Select the "Add Files" button

Upload file to be attached.

**Impact Report**

To see how this course impacts other departments, please run the Impact Report.
An Impact Report may be run to determine what academic programs the course being revised are housed within. This will help determine the impact of your requested revision. Based on the results, we encourage you to contact any affected departments.

**Impact Report Instructions:**

- **Save changes**
- Navigate to the top of the proposal to run the Impact Report.
- This will assist you in answering the questions.

<table>
<thead>
<tr>
<th><strong>Is this course</strong></th>
<th><strong>Yes</strong></th>
<th><strong>No</strong></th>
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<tr>
<td><strong>required on a</strong></td>
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<tr>
<td><strong>Plan of Study?</strong></td>
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<td><strong>course on a Plan</strong></td>
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<td><strong>of Study?</strong></td>
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If this course is included on a Plan of Study, the proposed effective session is subject to change.

If Yes to any of the above, please contact affected departments.

<table>
<thead>
<tr>
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Click on the arrow at the top of the page to launch the proposal. *(Only launch the proposal after you completely finished.)*
<table>
<thead>
<tr>
<th>Catalog Ownership</th>
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