**Purdue Northwest Curriculum Document Coversheet**

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| **Document No:**  (According to [Instruction](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)s[[1]](#footnote-1)) | COT 18-23 REV COURSE IET 41100 | **Approval by Faculty Senate:**  (Leave Blank) | 4-12-19 |
| **Proposed Effective Date** | Fall 2019 | **Date Reviewed by Senate Curriculum**  **Committee:**  (Leave blank) | 3-8-19 |
| **Submitting Department:**  (Name of both Dept & College/School ) | Engineering Technology/ College of Technology | **Name(s) of Library Staff Consulted:**  (NA if not required) |  |
| **Date Reviewed by Department** | February 15, 2019 |  |  |
| **Submission Date:**  (Date sent to College/School Curr Comm after Dept Review) | February 15, 2019 | **Will New Library**  **Resources Used?** | **Yes** **No**  Double-click to check Yes / No. |
| **Date Reviewed by College/School Curriculum Committee** | February 22, 2019 | **Form 40 Needed?**  (Double-click one box.)  Registrar will complete Form 40 **after** Senate approval of document. | **Yes** New courses or any course change, check **YES**  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**  (Name & Title) | Susan Scachitti Professor of Engineering Technology |  |  |

Unless marked “Leave blank” all parts of this form must be filled in **before** sending to Secretary of the Faculty Senate.

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| **Task (check all that apply and fill out sections appropriate for each change).**  Program/Concentration Change or New Program/Concentration Proposal: Complete Section I, III, & IV  Minor Change or New Minor Proposal: Complete Section I (delete sections III & IV)  Certificate Change or New Certificate Proposal: Complete Section I (delete sections III & IV)  Course Change or New Course Proposal: Complete Section II (delete sections III & IV) |
| **Program name**.  Mechanical Engineering Technology |
| **Degree name(s).** (If applicable.)  Bachelor of Science (B.S.) |

## Section I: This section is for changes in programs, minors and certificates

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| **List the major changes in each program of study, minor or certificate.**  N/A |
| **Impact on Students.** (State “N/A” if proposal will not greatly affect students.)  N/A |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.)  N/A |
| **Impact on other Academic Units.** (State “N/A” if proposal will not affect other units.)(Include name of person in affected area discussed with)  N/A |

## Section II: This section is for changes in courses only

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| **Subject.** (Brief description of proposed change, addition or deletion.)  Change IET 41100 course prerequisite |
| **Justification.** (Briefly list main reasons for proposed change, addition or deletion.)  Update prerequisite courses on IET 41100. IET 27300, one of the currently listed prerequisites, was replaced with course IET 37801 in 2018 so this course number will be updated. IET 36400 was an alternative prerequisite course but is no longer an option for students to take so is being removed. |

Use the **Current** and **Proposed** spaces below for course changes only. Otherwise, mark “N/A”

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| **Current:** (Course changes: include entire present catalog information. Leave blank if new course)  **Title:**Applications Of Lean And Six Sigma Methodologies **College:** College of Technology T  **Division:**  **Department:** Engineering Technology-PNW 5530  **Hours:** Credit Hours: 3  Lecture: Lab: Other:  **Levels:**  Graduate GR Professional PR Undergraduate UG  **Grading Modes:**  Audit A Regular Grade G Pass/No Pass Option P  **Schedule Types:**  Distance Learning DIS Individual Study IND Lecture LEC [Course Description](https://bannerprod.pnw.edu/StudentRegistrationSsb/ssb/courseSearch/courseSearch) Credit Hours: 3.00. This hands-on course focuses on emerging business practices that are geared toward making an organization more effective and efficient. Highlighted topics will include use of lean and six sigma methodologies in today's business environments. These methods are used for achieving long term profits through customer satisfaction, waste elimination, and elevation of employee skills to eliminate waste and defects at the source. Application of these methods in various environments such as service, health care and manufacturing organizations will be explored. Students are expected to work in teams to apply systematic problem solving processes to solve case studies and/or real-world issues. Supporting concepts such as implementation of new business practices and culture change will also be explored. Typically offered Fall Spring. Catalog Prerequisites  | **And/Or** |  | **Subject** | **Course Number** | **Level** | **Grade** |  | | --- | --- | --- | --- | --- | --- | --- | |  |  | IET-Industrial Engr Tech | 27300 | Undergraduate | D- |  | | Or |  | IET-Industrial Engr Tech | 35500 | Undergraduate | D- |  | | Or |  | IET-Industrial Engr Tech | 36400 | Undergraduate | D- |  | | | **Proposed:** (Course changes: include entire new catalog information.)  **Title:**Applications Of Lean And Six Sigma Methodologies **College:** College of Technology T  **Division:**  **Department:** Engineering Technology-PNW 5530  **Hours:** Credit Hours: 3  Lecture: Lab: Other:  **Levels:**  Graduate GR Professional PR Undergraduate UG  **Grading Modes:**  Audit A Regular Grade G Pass/No Pass Option P  **Schedule Types:**  Distance Learning DIS Individual Study IND Lecture LEC [Course Description](https://bannerprod.pnw.edu/StudentRegistrationSsb/ssb/courseSearch/courseSearch) Credit Hours: 3.00. This hands-on course focuses on emerging business practices that are geared toward making an organization more effective and efficient. Highlighted topics will include use of lean and six sigma methodologies in today's business environments. These methods are used for achieving long term profits through customer satisfaction, waste elimination, and elevation of employee skills to eliminate waste and defects at the source. Application of these methods in various environments such as service, health care and manufacturing organizations will be explored. Students are expected to work in teams to apply systematic problem solving processes to solve case studies and/or real-world issues. Supporting concepts such as implementation of new business practices and culture change will also be explored. Typically offered Fall Spring. Catalog Prerequisites  | **And/Or** |  | **Subject** | **Course Number** | **Level** | **Grade** |  | | --- | --- | --- | --- | --- | --- | --- | |  |  | IET-Industrial Engr Tech | 37801 | Undergraduate | D- |  | | Or |  | IET-Industrial Engr Tech | 35500 | Undergraduate | D- |  | |
| **Is this course also:** | **General Education** | **Currently Designated ExL (see** [**instructions[[2]](#footnote-2)**](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)**)** |

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| **Course Objectives / Learning Outcomes.** (New courses only. List main outcomes. If lengthy, attach separate page.)  1.  2.  3. |
| **Impact on Students.** (State “N/A” if proposal will not greatly affect students.) Students will see proper prerequisites in system. |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.) Fewer advisor over rides required for students scheduling. |
| **Impact on other Academic Units.** (State “N/A” if proposal will not affect other units.) (Include name of person in affected area this was discussed with.) None |

(Boxes will expand and spill over onto next page to accommodate your typing.)

1. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-1)
2. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-2)