**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)) | COT18-35 REV COURSE ECET 15201 | **Approval by Faculty Senate:** (Leave Blank) | 5/3/19 |
| **Proposed Effective Date**  | Fall 2019 | **Date Reviewed by Senate Curriculum****Committee:** (Leave blank) | 4/12/19 |
| **Submitting Department:**(Name of both Dept & College/School ) | Engineering TechnologyCollege of Technology | **Name(s) of Library Staff Consulted:** (NA if not required) |  |
| **Date Reviewed by Department**  | 3/22/2019 |  |  |
| **Submission Date:**(Date sent to College/School Curr Comm after Dept Review) | 3/22/2019 | **Will New Library****Resources Used?** | [ ]  **Yes** [x] **No** Double-click to check Yes / No. |
| **Date Reviewed by College/School Curriculum Committee**  | 3/22/2019 | **Form 40 Needed?**(Double-click one box.)Registrar will complete Form 40 **after** Senate approval of document. | [x]  **Yes** New courses or any course change, check **YES**[ ]  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**(Name & Title) | Omer FarookAssociate Prof of EET |  |  |

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)[x]  Course Change or New Course Proposal: Complete Section II (delete sections III & IV) |
| **Program name**. Electrical Engineering Technology |
| **Degree name(s).** (If applicable.) 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.**  |
| **Impact on Students.** (State “N/A” if proposal will not greatly affect students.)None |
| **Impact on University Resources.** (State “N/A” if proposal will not require new resources, faculty or funds.)None |
| **Impact on other Academic Units.** (State “N/A” if proposal will not affect other units.)(Include name of person in affected area discussed with)None |

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

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| **Subject.** (Brief description of proposed change, addition or deletion.)1) Prerequisites revised . |
| **Justification.** (Briefly list main reasons for proposed change, addition or deletion.)Updating prerequisites by adding alternative math courses. |

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

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| ECET 15201 - Alternating Current Circuits and AnalysisPrerequisite(s): ECET 10201 FOR LEVEL UG WITH MIN. GRADE OF D- AND MA 14800 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)Credit Hours: 3.00. AC electrical circuits, including J-operator, phasors, reactance, impedance, and power are studied. Circuit laws, network theorems, and the fundamental concepts of Fourier analysis are applied in the study of passive filters, resonant circuits, single-phase and three-phase circuits, and elementary magnetic circuits. Typically offered Fall. | ECET 15201 - Alternating Current Circuits and AnalysisPrerequisite(s): ECET 10201 FOR LEVEL UG WITH MIN. GRADE OF D- AND MA 14800 or MA15300 or MA 15900 FOR LEVEL UG WITH MIN. GRADE OF D- (MAY BE TAKEN CONCURRENTLY)Credit Hours: 3.00. AC electrical circuits, including J-operator, phasors, reactance, impedance, and power are studied. Circuit laws, network theorems, and the fundamental concepts of Fourier analysis are applied in the study of passive filters, resonant circuits, single-phase and three-phase circuits, and elementary magnetic circuits. Typically offered Fall. |
| **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. 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 this was discussed with.) N/A |

(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)