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| Course Prefix / Number: | **CS 3530** | Course Title: | **Computational Theory** |
| Date Submitted: | **9/13/2013** | Effective Semester: | **Spring 2014** |
| Course Change: | **Modification** | Specify Modification: | **Course Rotation Change Change prereq of CS3310 to a coreq** |

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| Credit(s):  3 | Workload Factors:  3 | | Grade Type:  Reg | | Instructor Permission Required:  ☐Yes XNo | | Repeatable for Credit:  ☐Yes XNo | Maximum Repeat Credits: Enter | |
| GE Status Requested: ☐ Yes X No | | | | GE Area: Choose GE GE Area: Choose GE | | | | | |
| Prerequisite(s): CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher) | | | | | Grade: C- | Corequisite(s): CS 3310 | | | |
| Course/Lab Fee:  $ 25.00 | | Index Code:  TEC303 | Fee Justification: Maintain CIT Infrastructure | | | | | | Instruction Index Code:  TEC200 |

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| Catalog Description: | Required of students pursuing a Computer Science degree or emphasis. Covers the theory of computation, including finite-state automata, pushdown automata, Turing machines, and equivalent formalisms. Also introduces complexity theory. Course fee required. Prerequisites: CS 2420 (Grade C- or higher); AND CS 2810 (Grade C- or higher); or concurrently with CS 3310. FA | Course  Rotation: | FA |

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| Hours/Week:  3 | Instruction Type:  LEC - Lecture | Hours/Week:  Enter | Instruction Type:  Select | Hours/Week:  Enter | Instruction Type:  Select |

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| Justification for  course/change: | Updating catalog to reflect current department practice regarding course rotation. Prereq change: coreq is sufficient for class. To leave it as a prereq may cause problems for students as the classes will now be offered during the same semester. |

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| Library Resources Adequate:  XYes ☐No | Enter |
| Tech Resources Adequate:  XYes ☐No | Enter |

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| Comparable Courses | | | |
| Institution | Prefix/Number | Credit(s) | Course Title |
| Enter | Enter | Enter | Enter |
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| Submitted by  Department Chair: | B. Stander | Technical Review: | Enter | GE approval: | Enter |
| Dean’s approval date: | 9/18/13 | Dean/Associate Dean: | | Eric Pedersen | |
| Curriculum approval: | Science & Technology |  | |  | |

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| Technical Review Notes: | Enter |