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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 ChangeChange 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 |