TO: The Faculty of the College of Engineering

FROM: The Faculty of the School of Industrial Engineering

RE: Change to IE 53800 prerequisite and term offered

From: IE 53800 – Nonlinear Optimization Algorithms and Models

Term Offered: Fall; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15600 and IE 33500 or IE 50100 or

IE 53500

Description: Survey of computational tools for solving constrained and unconstrained nonlinear

optimization problems. Emphasis on algorithmic strategies and characteristic structures

of nonlinear problems. Typically offered Fall.

To: IE 53800 – Nonlinear Optimization Algorithms and Models

Term Offered: Spring; Lecture 3, Cr. 3

Prerequisites: Graduate Standing or Junior/Senior standing and CS 15900 and IE 33500 or IE 50100 or

IE 53500

Description: Survey of computational tools for solving constrained and unconstrained nonlinear

optimization problems. Emphasis on algorithmic strategies and characteristic structures

of nonlinear problems. Typically offered Spring.

Reason: The current prerequisites for IE 53800 do not reflect the changes in the Computer Science course numbering. In addition, the course has most recently been offered during the spring semester and will continue to do so for the foreseeable future.

Abhijit Deshmukh

Professor and Head

School of Industrial Engineering

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CURFICULUM COMMITTEE

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PURDUE UNIVERSITY REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF A GRADUATE COURSE (50000-60000 LEVEL)

IE 53800

EFD 17-14

101430 EFFECTIVE SESSION Summer 2014 DEPARTMENT Industrial Engineering INSTRUCTIONS: Please check the items below which describe the purpose of this request. 7. Change in course attributes New course with supporting documents (complete proposal form) 8. Change in instructional hours Add existing course offered at another campus 2 9. Change in course description 3. Expiration of a course 10. Change in course requisites 4. Change in course number 11. Change in semesters offered 5. Change in course title 12. Transfer from one department to another Change in course credit/type 6. TERMS OFFERED EXISTING: PROPOSED: Check All That Apply: Subject Abbreviation IE Subject Abbreviation ☐ Fall ✓ Spring □ Summer CAMPUS(ES) INVOLVED 53800 Course Number Course Number N. Central Calumet Tech Statewide Nonlinear Optimization Algorithms And Models Cont Ed Long Title W. Lafayette Ft. Wayne Short Title Nonlinear Optimization Algorithms And Models Indianapolis Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY) COURSE ATTRIBUTES: Check All That Apply CREDIT TYPE 6. Registration Approval Type 1. Fixed Credit: Cr. Hrs. 1. Pass/Not Pass Only 2. Satisfactory/Unsatisfactory Only Department Instructor 2. Variable Credit Range Minimum Cr. Hrs 3. Repeatable 7. Variable Title Or _ (Check One) Maximum Repeatable Credit: 8. Honors 4. Credit by Examination 9. Full Time Privilege Maximum Cr. Hrs 5. Fees Coop Lab Rate Request 10. Off Campus Experience 3. Equivalent Credit: No No \square Include comment to explain fee 4. Thesis Credit: Schedule Type Meetings Pe % of Credit Minutes Cross-Listed Courses Offered Allocated Per Mtg Week ecture Recitation Presentation RECEIVED aboratory ab Prep Studio FEB 2 5 2014 Distance Clinic Experiential OFFICE OF THE REGISTRAR Research Ind. Study Pract/Observ COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS): Survey of computational tools for solving constrained and unconstrained nonlinear optimization problems. Emphasis on algorithmic strategies and characteristic structures of nonlinear problems. Restrictions: Graduate OR Junior OR Senior classification Prerequisites: Graduate OR (CS 15900 (minimum grade of D-) AND IE 33500(minimum grade of D-)) OR (CS 15900 (minimum grade of D-) AND IE 50100(minimum grade of D-)) Calumet Department Head Calumet School Dean Date Calumet Director of Graduate Studies Fort Wayne School Dean Date Fort Wayne Director of Graduate Studies Date Date Fort Wayne Department Head IUPUI Associate Dean for Graduate Education Date Indianapolis Department Head Date Indianapolis School Dean Date Date North Central Director of Graduate Studies North Central Department Head Date North Central School Dean Date Appr Graduate Area Committee Convener West Lafayette Registra OFFICE OF THE REGISTRAR