### Instructions:
Please check the items below which describe the purpose of this request.

- New course with supporting documents (complete proposal form)
- Change in course attributes
- Change in course description
- Change in course requisites
- Transfer from one department to another

### Proposed:
- Subject Abbreviation: CS
- Course Number: 580
- Long Title: Algorithm Design, Analysis, and Implementation

### Existing:
- Subject Abbreviation: CS
- Course Number: 580
- Abbreviated title will be entered by the Office of the Registrar if omitted. (20 characters only)

### Credit Type:
- Fixed Credit: Cr. Hrs.
- Variable Credit Range: Minimum Cr. Hrs.
- Maximum Cr. Hrs.
- Equivalent Credit:
- Thesis Credit:

### Course Attributes:
- Pass/Not Pass Only
- Satisfactory/Unsatisfactory Only
- Repeatable
- Maximum Repeatable Credit
- Credit by Examination
- Designator Required
- Special Fees

### Course Description (Include requisites):
- P: CS 460 or consent of instructor

### Terms Offered:
- Summer
- Fall
- Spring

### Campus(es) Involved:
- Calumet
- Cont Ed
- N. Central
- F. Wayne
- Toch Statewide
- W. Lafayette
- Indianapolis

### Instructional Type:
- Lecture
- Recitation
- Presentation
- Laboratory
- Lab Prep
- Studio
- Distance
- Clinic
- Experiential
- Research
- Ind. Study
- Prac/Observ

### Delivery Method:
- Asyn.
- Or Syn.
- Delivery Medium (Audio, Internet, Live, Text-Based, Video)

### Cross-Listed Courses:
- [List of courses]

### Dates:
- Calumet Department Head: 1/6/09
- Calumet School Dean: 1/16/09
- Calumet Undergrad Curriculum Committee: 1/16/09
- Purdue Wayne Department Head: 1/6/09
- Purdue Wayne School Dean: 1/16/09
- Purdue Wayne Chancellor: 1/16/09
- Indianapolis Department Head: 1/6/09
- Indianapolis School Dean: 1/16/09
- Undergrad Curriculum Committee: 1/16/09
- North Central Department Head: 1/6/09
- North Central Chancellor: 1/16/09
- Date Approved by Graduate Council
- West Lafayette Department Head: 1/6/09
- West Lafayette College/School Dean: 1/16/09
- Graduate Council Secretary: 1/16/09
- West Lafayette Registrar: 1/16/09
Justification for the course requisites changes:

Current three pre-requisites courses are selected based on the outdated CS undergraduate curriculum. These courses are either replaced with other courses or not offered any more.