### Request for Addition, Expiration, or Revision of an Undergraduate Course

**Department**: Engineering  
**Effective Session**: Spring 2015

**InSTRUCTIONS**: Please check the items below which describe the purpose of this request.

1. New course with supporting documents  
2. Add existing course offered at another campus  
3. Expiration of a course  
4. Change in course number  
5. Change in course title  
6. Change in course credit/Type  
7. Change in course attributes (department head signature only)  
8. Change in Instructional hours  
9. Change in course description  
10. Change in course requisites  
11. Change in semesters offered (department head signature only)  
12. Transfer from one department to another

**PROPOSED**:
- **Subject Abbreviation**: CE
- **Course Number**: 45000
- **Long Title**: TRANSPORTATION POLICY AND PLANNING
- **Short Title**: TRANSPORTATION POLICY AND PLANNING

**EXISTING**:
- **Subject Abbreviation**:  
- **Course Number**:  
- **Long Title**:  
- **Short Title**:  

**TERMS OFFERED**
- **Check All That Apply**:
  - Summer
  - Fall
  - Spring

**CAMPUS(ES) INVOLVED**
- Columnar
- Cont Ed
- Ft. Wayne
- Indianapolis
- Tech Statewide
- W. Lafayette

**CREDIT TYPE**
- **Fixed Credit Hrs.**: 3
- **Variable Credit Range**:  
  - Minimum Cr. Hrs: [Check One]
  - To: [Check One]
  - Maximum Cr. Hrs: [Check One]
- **Equivalent Credit**: Yes  
- **Schedule Type**: Lecture  
- **Minutes Per Min**:  
- **Meetings Per Week**:  
- **Weeks Offered**:  
- **% of Credit Allocated**:  
- **Course Attributes**:
  - Pass/No Pass Only
  - Satisfactory/Unsatisfactory Only
  - Repeatable
  - Maximum Repeatable Credit:
  - Credit by Examination
  - Fees
  - Coop
  - Lab
  - Rate Request
  - Include comment to explain fee

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

**COURSE LEARNING OUTCOMES**

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**Cross-Listed Courses**

**Department Head**  
**Date**:  

**School Dean**  
**Date**:  

**Office of the Registrar**
Required Course
CE 45000 – Urban Transportation Policy and Planning
Offered each spring.

Catalog Data
Class: 3. Credits: 3.
This class is an introduction to transportation policy and planning in urban areas. The course will cover the history of urban transportation planning, transportation data sources and surveys, fundamentals of travel demand and network modeling, financial issues, transportation planning and environmental issues, local and federal regulations and policies, and contemporary issues.

Prerequisites
N/A

Corequisite
CE 345: Transportation Engineering or approval of the instructor.

Required Textbook

References

Course Objectives
Student will understand and apply basic concepts and methods of urban transportation planning in the US. Student will learn methods of designing, conducting and administering surveys to provide the data required for transportation planning. In addition students will understand and be able to apply travel demand modeling, project development and financing, regulations and policies, environmental related issues, land use and contemporary issues in transportation planning.

Schedule:
Two 75-minute classes per week.

Lecture Topics
1. Data collection and use of survey information 2 classes
2. Travel demand forecasting models of trip generation, trip distribution, mode choice, and trip assignment. 6 classes
3. Project development. 4 classes
4. Highway finance. 2 classes
5. Federal legislation and planning regulations. 4 classes
To: Engineering Faculty
From: CE Curriculum Committee
Subject: Changes to CE 45000 Course
Date: October 12, 2014

The CE Curriculum Committees recommend the following change to CE 45000 Urban Transportation Planning.

Motion: Approve the changes as shown in the attached syllabus.

Rationale: The course as taught now is focusing basic transportation policy and planning. Therefore, the following changes reflect the true nature of the courses: Changing the Title to "Transportation Policy and Planning"; changing pre-requisite to be: C: CE 345 Transportation Engineering. Other changes include upgrading the textbook and reference materials.

Attachment: CE 45000 new syllabus with changes.