Texas A&M University  
Departmental Request for a New Course  
Undergraduate • Graduate • Professional  
Submit original form and 2 copies. Attach a course syllabus to each.

1. This request is submitted by the Department of Landscape Architecture and Urban Planning.
2. Course prefix, number and complete title: PLAN 678 Applied Transportation Studio: Site Planning and Traffic Impact
3. Course description (not more than 50 words): This course provides a practical overview of urban planning and transportation topics including transportation-land use, functional classification, thoroughfare and land use planning, site planning, traffic impact analysis, access management and site design.
4. Prerequisite(s) Admission by instructor’s consent  
   Cross-listed with  
   Cross-listed courses require the signatures of both department heads.
5. Is this a variable credit course? ☐ Yes ☑ No  
   If yes, from _____ to _____.
6. Is this a repeatable course? ☐ Yes ☑ No  
   If yes, this course may be taken _____ times. Will the course be repeated within the same semester/term? ☐ Yes ☑ No
7. Has this course been taught as a 489/689? ☐ Yes ☑ No  
   If yes, how many times? _____  
   Indicate the number of students enrolled for each academic period it was taught. 10 spring 2008
8. This course will be:  
   a. required for students enrolled in the following degree program(s) (e.g., B.A. in history)  
      mup, CVEN, BUSH - masters or Ph.D.
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
9. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.
10. Prefix  | Course #  | Title (exclude punctuation)  
    PLAN  | 678  | APPLIED TRANSPORTATION STUDIO
    Lect. | Lab | SCH | Subject Matter Content Code | Admin. Unit | Acad. Year | FICE Code
    03 | 03 | 04.03001.00006169408-09 | 003632 | Level 6

Approval recommended by:  
Head of Department  
Date  
Chair, College Review Committee  
Date  
Head of Department (if cross-listed course)  
Date  
Dean of College  
Date  
Submitted to Coordinating Board by:  
Director of Academic Support Services  
Date  
Effective Date

To have this form reviewed, please send to Linda F. Lacey, Mail Stop 1265 or fax to 847-8737.
PLAN IT! APPLIED TRANSPORTATION STUDIO:
SITE PLANNING AND TRAFFIC IMPACT

Course Syllabus:

Instructor
Bill Eisele, Ph.D., P.E.
Office: CE/TTI Building, Room 404F
Phone: 845-8550
E-mail: bill-eisele@tamu.edu

Course Meeting Time/Location
Tues/Thurs, 5:30 p.m. to 6:45 p.m.
348 ARCA

Office Hours
Tues/Thurs, 1:00 – 5:00 p.m.
Other times by appointment.

Course Description
This course provides a practical overview of urban planning and transportation topics
including transportation-land use, functional classification, thoroughfare and land use
planning, site planning, traffic impact analysis, access management, and site design.
Students should be able to understand and apply these concepts in class discussions and
the final project. The final project includes the development of a site plan, landscape
plan, traffic impact analyses, and formal presentation—all elements that will require the
hands-on application of knowledge received in this course.

Course Prerequisites
Admission is by instructor’s consent to ensure a basic level of transportation exposure.

Required Software
Microsoft Word, Excel, PowerPoint
AutoCAD (or other design drawing software)

Required Text
Stover, V.G. and F.J. Koepke, Transportation and Land Development, 2nd Edition,

Required Readings
You will have several required readings throughout the course. They will be made
available to you as handouts or electronically.
Grading
Final Project:
   Includes Plans/TIA/Presentation/Work File 50%
Assignments (about 4) 15%
Midterm exam 15%
Final exam 15%
Class participation 5%

Final course grade will be assigned according to points accumulated at the end of the semester:

90% or more – A, 80% to 89% – B, 70% to 79% – C, 60% to 69% – D, less than 60% – F

Policy on Attendance
Class participation is a portion of your grade. Students are expected to be prepared for class and to participate in discussions. The environment is greatly enhanced by a diverse set of experiences and opinions.

Homework
You will have homework assignments throughout the semester (about 4). All homework is due at the beginning of the class associated with the due date. Homework assignments may be handed in late with a penalty of one letter grade per calendar day.

Homework should be presented in a professional manner. The homework will be in the format of a professional, technical memorandum in the format provided in class. Failure to comply with the requirements will result in a warning for the first violation (and a mandatory resubmission) and grades of 0 for subsequent violations.

Communication is vital in the transportation profession. Your technical memorandum shall be designed to efficiently communicate technical and non-technical information. Your submissions will "stand alone" meaning that someone outside of this class should be able to pick up your memorandum and understand your analysis (quantitative or qualitative) and conclusions. Spelling, grammar and punctuation all "count."

Copyright
Any handouts used in this class will be copyrighted. By "handouts," I mean all materials generated for this class, which include but are not limited to the syllabus, exams, homework, handouts, in-class materials, etc. Because these materials are copyrighted, you do not have the right to copy any of these materials, unless I grant permission.
Plagiarism
As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc. which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, please consult the latest issues of the Texas A&M University Rules, under the section, "Scholastic Dishonesty."

Academic Integrity Statement
"An Aggie does not lie, cheat, or steal or tolerate those who do." Students are expected to understand and abide by the Aggie Honor Code presented on the website http://www.tamu.edu/aggiehonor. No form of scholastic misconduct will be tolerated. Academic misconduct includes cheating, fabrication, falsification, multiple submissions, plagiarism, complicity, etc. These are more fully defined in the above website. Violations will be handled in accordance with the Aggie Honor System Process described on the website.

Americans with Disabilities Act (ADA)
The ADA is a federal anti-discrimination statute that provides comprehensive civil rights protections for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring accommodation, please contact Services for Students with Disabilities, Koldus 126, 845-1637.
Course Schedule – PLAN 678, Spring 2008

January 15: No Class – TRB

January 17: No Class – TRB

January 22: Course Introduction, and Transportation and Urban Development
Reading: TLD Chapter 1
Homework #1 Assigned (Due Jan 24)

January 24: Transportation and Urban Development (cont)
Reading: TLD Chapter 1
Homework #1 Due
Homework #2 Assigned (Due Jan 31)

January 29: Thoroughfare Plan and Land Use Plan
Reading: Review handouts of CS Thoroughfare Plan and Land Use Plan
Guest Speakers: Mr. Ken Fogle, P.E., Transportation Planner, City of College Station
Mr. Troy Rother, P.E., Traffic Engineer, City of College Station

January 31: Functional Circulation Systems
Reading: TLD Chapter 4
Homework #2 Due

February 5: Site Planning and Traffic Impact Analysis
Reading: TLD Chapter 2
TLD Chapter 3
TIAs to be provided
Homework #3 Assigned (Due Feb 14)

February 7: Traffic Impact Analysis (cont)
Reading: TLD Chapter 3

February 12: Traffic Impact Analysis (cont)
Reading: TLD Chapter 3

February 14: Access Management
Reading: TLD Chapter 5
TLD Chapter 6
TcpDOT Access Management Manual:
http://www.dot.state.tx.us/services/general_services/manuals.htm
Homework #3 Due
Homework #4 Assigned (Due Feb 21)
February 19: Access Management (cont)
Reading: TLD Chapter 5
        TLD Chapter 6
        TxDOT Access Management Manual:
        http://www.dot.state.tx.us/services/general_services/manuals.htm

February 21: Development Process: Stages and Parties Involved
Reading: City of College Station Development Stages Handout
         Homework #4 Due

February 26: Unified Development Ordinances
Reading: City of College Station Unified Development Ordinance
        City of College Station Site Design Standards
Guest Speaker: Mr. Robert Cowell, AICP
              Director of Planning and Development Services, City of College Station

February 28: Driveway Design
Reading: TLD Chapter 7

March 4: Course Review for Midterm

March 6: Midterm Exam (in class)

March 11: No Class – Spring Break

March 13: No Class – Spring Break

March 18: Site Circulation Design
Reading: TLD Chapter 8
         Final Project Distributed and Discussed (due April 22)

March 20: Parking Design, and Service and Delivery Facilities
Reading: TLD Chapter 9
        TLD Chapter 10

March 25: Political Context for Transportation Improvements at the Local Level
Reading: None
Guest Speaker: Mr. Terry Childers, Deputy City Manager, City of College Station

March 27: Tax Increment Financing
Reading: None
Guest Speaker: Mr. David Finklea, P.E., Principal,
              Walter P. Moore and Associates, Houston, Texas

April 1: Work on Final Project
April 3: Work on Final Project

April 8: Work on Final Project

April 10: Work on Final Project

April 15: Work on Final Project

April 17: Work on Final Project

April 22: Final Project Presentations

*All Final Project Materials Due (Two Copies of Everything Are Required)*

April 24: Final Project Presentations

April 29: Final Project Presentations (if needed), and Course Review and Wrap-Up

May 1: No Class – Reading Day

May 7 (Wednesday): Final Exam from 3:30 to 5:30 p.m. (in classroom)