Texas A&M University
Departmental Request for a New Course

1. This request is submitted by the Department of ____________
   Zachry Department of Civil Engineering

2. Course prefix, number and complete title of course:
   CVEN 696, Urban Traffic Facilities

3. Catalog course description (not to exceed 50 words):
   Driver, vehicle and roadway characteristics related to design and operation of traffic facilities; selection and design of traffic control devices and information systems for streets and highways; accident analysis and tort liability related to traffic engineering.

4. Prerequisite(s):

5. Is this a variable credit course? □ Yes ☑ No
   If yes, from ______ to ______

6. Is this a repeatable course? □ Yes ☑ No
   Will this course be repeated within the same semester? □ Yes ☑ No
   If yes, this course may be taken ______ times.

7. This course will be:
   a. required for students enrolled in the following degree programs(s) (e.g., B.A. in history)
   b. an elective for students enrolled in the following degree program(s) (e.g., M.S., Ph.D. in geography)
      M.E., M.S., Ph.D. in Civil Engineering

8. If other departments are teaching or are responsible for related subject matter, the course must be coordinated with these departments. Attach approval letters.

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9. Prefix Course # Title (excluding punctuation)
   CVEN 696 Urban Traffic Facilities

   Lect. Lab SCH CIP and Fund Code Admin. Unit Acad. Year FICE Code
   03 00 03 14 08 04 00 06 06 50 10 - 11 0 0 3 6 3 2

   Approval recommended by: Anthony Calvert 4/21/09
   Department Head - Type Name & Sign
   Date

   Department Head - Type Name & Sign
   (if cross-listed course)
   Date

   Submitted to Coordinating Board by:
   Associate Director, Curricular Services
   Date Effective Date

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Questions regarding this form should be directed to Sandra Williams at 845-8201 or sandra.williams@tamu.edu.
Curricular Services – 3/09
Course Syllabus

Instructor: Dr. Gene Hawkins (979) 845-9946 direct line  
301C CE/TTI Building (979) 845-9294 assistant  
gene-h@tamu.edu http://ceprofs.civil.tamu.edu/ghawkins

Office Hours: Mon 1:30-2:30, Wed and Fri, 8:30-9:30 or by appointment. Changes to office hours will  
 normally be announced in class. Students that want to assure a meeting with Dr. Hawkins  
 should call or email him for an appointment even if during office hours. Students with  
 appointments during office hours have priority over students that just stop by.

Course Description: CVEN 696. Special Topics in Urban Traffic Facilities. (3-0). Credit 3. Driver, vehicle and  
roadway characteristics related to design and operation of traffic facilities; selection and  
design of traffic control devices and information systems for streets and highways; accident  
analysis and tort liability related to traffic engineering.

Lecture: MWF 11:30-12:20, Room 222 – CE Building (stacked with CVEN 457-500)

Prerequisite: Graduate Classification

Textbook: Roger P. Roess, Elena S. Prassas, and William R. McShane. Traffic Engineering, Third  

Course Objectives: This course is designed to give new graduate level civil engineering students, who do not  
have an extensive undergraduate exposure to transportation engineering, an introduction to  
the basic principles and practice of traffic engineering as applied to the design and operation  
of urban traffic facilities.

Attendance: Regular attendance and class participation are expected. Material and discussion associated  
with classroom activities will be addressed in exams.

Web Site: http://cenotes.tamu.edu – CVEN 457 (Fall 06)-Hawkins

Evaluation:  
Exam 1 20% A = above 90% Pop Quizzes will be given and will be  
Exam 2 20% B = 80 to 90% included in the Homework category.  
Final Exam 20% C = 70 to 80% *The term paper is an assignment that is  
Group Project 15% D = 60 to 70% specific to graduate students only.  
Homework 15% F = below 60%  
Term Paper 10%*

Graduate Students: This class is stacked with CVEN 457, which is a senior-level undergraduate class. Graduate  
students enrolled in the class will be required to satisfy all of the undergraduate  
requirements, plus additional requirements assigned by the professor. These additional  
assignments will be a term paper plus the potential for additional test questions and  
additional homework assignments/problems.

Readings: Students are responsible to have done the readings in advance of the class period in which  
they are discussed. Supplemental reading material will also be assigned for some topics.  
When feasible, electronic versions of the supplemental materials will be made available.  
When it is not feasible to provide electronic versions, copies will be made available for  
purchase or will be provided in the reserve room.

Group Project: A portion of your final grade will come from a group project. The instructor will divide the  
class into groups to work on the project. The instructor will assign a grade for the entire  
group. Grades may be adjusted to reflect the contribution of individual group members.  
Therefore, it is important for you to participate fully in all of your group’s activities.

Syllabus Date: April 21, 2009
Homework: There will be homework assignments. Unless otherwise noted, homework will be due at the beginning of the class, one week after it is assigned. Normally, homework that is handed in late will have the following penalties:
- 1 class late – 20% off grade;
- 2 classes late – 40% off grade;
- 3 classes or more late – not accepted.
Some homework assignments will not be accepted late. These will be identified at the time they are assigned.

Homework should be prepared in a professional manner as follows:
- It should be submitted on one side of a standard 8.5×11 paper, with all sheets stapled together. Any type of letter-sized letter paper may be used.
- The cover page should provide the final answer(s) for those problems where the answer(s) can be presented on the cover page.
- Solutions should show all work neatly and in organized steps.
- Final answers should be neatly identified.
- Your name, course number, homework number, and page number should be at the top of each page.
- On each page, the problem should be clearly indicated.
For problems with incorrect solutions, partial credit will be given if your steps are clearly laid out and an error can be easily identified.

Academic Honesty: “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 web at: 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 web site. Violations will be handled in accordance with the Aggie Honor System Process described on the web site.

E-mail: Communication via e-mail (questions on homework, exams, class examples, etc.) is encouraged. The professor will use email to distribute information to students.

Students are responsible for all information sent via email.

Unless otherwise requested by the student, the instructor will typically distribute the question (anonymously) and answer to all students who have given the instructor their e-mail address. E-mail may also be used to distribute clarifications on class lectures, homework, exams and problem solutions.
Use of e-mail is strictly voluntary. If you would like to receive course-related e-mail, send the instructor an e-mail message, indicating your name, the course, the section, and your e-mail address.

ADA Policy: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection 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 an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Cain Hall, or call 845-1637.

Syllabus Date: April 21, 2009
<table>
<thead>
<tr>
<th>Area</th>
<th>Class</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part 1:</td>
<td></td>
<td></td>
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<tr>
<td>Concepts</td>
<td>1</td>
<td>Introduction, Driver Characteristics</td>
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<td></td>
<td>2</td>
<td>Visibility Issues</td>
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<td></td>
<td>3</td>
<td>Vehicle Characteristics</td>
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<tr>
<td></td>
<td>4</td>
<td>Traffic Flow Models</td>
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<tr>
<td></td>
<td>5</td>
<td>Traffic Flow Models</td>
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<td></td>
<td>6</td>
<td>Traffic Studies</td>
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<tr>
<td></td>
<td>7</td>
<td>Spot Speeds</td>
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<tr>
<td></td>
<td>8</td>
<td>Statistical Analysis</td>
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<tr>
<td></td>
<td>9</td>
<td>Crash Analysis</td>
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<tr>
<td>Part 2:</td>
<td>10</td>
<td>Traffic Control Devices and the MUTCD</td>
</tr>
<tr>
<td>Devices</td>
<td>11</td>
<td>Sign Design and Performance</td>
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<tr>
<td></td>
<td>12</td>
<td>Pavement Marking Design and Performance</td>
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<tr>
<td></td>
<td>13</td>
<td>Work Zone Traffic Control</td>
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<td></td>
<td></td>
<td>Review Session for Exam #1 (in the evening)</td>
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<tr>
<td></td>
<td>14</td>
<td>Traffic Engineering Specifications</td>
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<tr>
<td></td>
<td>15</td>
<td>Exam #1 (lectures 1-13)</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Guest Lecture – Traffic Engineering Profession</td>
</tr>
<tr>
<td>Part 3:</td>
<td>17</td>
<td>Introduction to Traffic Signals</td>
</tr>
<tr>
<td>Signals</td>
<td>18</td>
<td>Signal Warrants</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>Review Exam #1, Signal Change Intervals</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Signal Design and Signal Phasing</td>
</tr>
<tr>
<td></td>
<td>21</td>
<td>Signal Phase Capacity and Signal Timing</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Signalized Intersection Capacity</td>
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<td></td>
<td>23</td>
<td>Signal Delay and LOS</td>
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<tr>
<td></td>
<td>24</td>
<td>Computer Programs for Signal Operation [ITE field trip day]</td>
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<td>25</td>
<td>Actuated Control</td>
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<tr>
<td></td>
<td>26</td>
<td>Signal Coordination</td>
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<tr>
<td></td>
<td>27</td>
<td>Additional Signal Operational Considerations</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Traffic Signal Analysis Issues</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>Tort Liability</td>
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<tr>
<td></td>
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<td>Review Session for Exam #2 (in the evening)</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>Exam #2 (lectures 14-29)</td>
</tr>
<tr>
<td>Part 4:</td>
<td>31</td>
<td>Roundabout Design</td>
</tr>
<tr>
<td>Freeways</td>
<td>32</td>
<td>Roundabouts Capacity and Analysis</td>
</tr>
<tr>
<td></td>
<td>33</td>
<td>Freeway Operations and Design</td>
</tr>
<tr>
<td></td>
<td>34</td>
<td>Managed Lanes, Traffic Incident Management, and ITS</td>
</tr>
<tr>
<td></td>
<td>35</td>
<td>Freeway Capacity – Analysis</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>Freeway Capacity – Design</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td>Review Exam #2</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>Weaving Sections – Analysis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Holiday – BTHO tu</td>
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<tr>
<td></td>
<td>39</td>
<td>Weaving Sections - Design</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>Ramps and Ramp Junctions</td>
</tr>
<tr>
<td></td>
<td>41</td>
<td>Project Reports Due, Ramp Junction – Design</td>
</tr>
<tr>
<td></td>
<td>42</td>
<td>Freeway Systems, Redefined Day – attend Friday class – no exams</td>
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<td>Final Review Session(in the evening)</td>
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<td>Final Exam</td>
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