

CE553: Traffic Engineering (3 Credits)
Iowa State University
Fall 2011
Meeting Times and Place:
Wednesdays 3:10 to 5:40 pm
Town Engineering 250

Dr. Shauna Hallmark

402 Town Engineering or Institute for Transportations (InTrans)
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Course Description:

Driver, pedestrian, and vehicular characteristics. Traffic characteristics; highway capacity; traffic studies and analyses. Principles of traffic control for improved highway traffic service. Application of intersection, corridor, or network analysis computer evaluation and optimization tools. Prerequisite: CE 355 or 453 or an Introductory Transportation course.

Required Reference (Available at University Bookstore):

Roess, R.P., E.S. Prassas, W. R. McShane. *Traffic Engineering*, 4th Edition, Prentice Hall, Upper Saddle River, NJ, 1998.

Students with Special Needs (taken from documents from the Disability Resource Offices)

“Please address any special needs or special accommodations with me at the beginning of the semester or as soon as you become aware of your needs. Those seeking accommodations based on disabilities should obtain a Student Academic Accommodation Request (SAAR) form from the Disability Resources (DR) office (phone 515-294-7220). DR is located on the main floor of the Student Services Building, Room 1076.”

“If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with me soon. Please request that a Disability Resources staff send a SAAR form verifying your disability and specifying the accommodation you will need. If you have a disability and require accommodations, please contact the instructor early in the semester so that your learning needs may be appropriately met. You will need to provide documentation of your disability to the Disability Resources (DR) office, located on the main floor of the Student Services Building, Room 1076, 515-294-7220.”

“Iowa State University complies with the American with Disabilities Act and Section 504 of the Rehabilitation Act. Any student who may require an accommodation under such provisions should contact me as soon as possible and no later than the end of the first

week of class or as soon as you become aware. No retroactive accommodations will be provided in this class.”

“This material can be provided to you in alternative format. Anyone who anticipates difficulties with the content or format of the course due to a physical or learning disability should see me immediately in order to work out a plan. You may also want to contact the Disability Resources (DR) office, located on the main floor of the Student Services Building, Room 1076 or call them at 515-294-7220.“

“If a student has a disability that qualifies under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act and requires accommodations, he/she should contact the Disability Resources (DR) office for information on appropriate policies and procedures. DR is located on the main floor of the Student Services Building, Room 1076-- phone 515-294-7220.”

"If you have a documented disability that requires assistance, you will need to go to the Disability Resource (DR) Office for coordination of your academic accommodations. The DR is located in the Student Services Building, Room 1076. Their phone number is 515-294-7220, TDD 515-294-6335."

Incomplete Policy:

Incompletes will only be considered for students who have completed approximately $\frac{3}{4}$ of the class work. Incompletes are usually reserved for students who are not able to complete the class due to medical, personal, or family emergencies.

Cheating:

The first count of cheating or plagiarism will result in a failing grade for the assignment or test. A second count will result in a failing grade for the course. Cheating includes copying from other students. You may work together on homework, labs, and projects (unless specifically told otherwise). However, the work should be your own. Plagiarism includes taking information from books, journals, web pages, etc. without giving proper credit. Credit should be given to the appropriate source. **DO NOT CUT AND PASTE!** Proper referencing should be used such as citing the sources and using quotations when appropriate. This includes images taken from the web. You should provide the web address as a source. All instances of cheating will be referred to the Dean of Students Office. See their webpage for the official ISU policy on Academic Dishonesty (<http://www.iastate.edu/~catalog/2005-07/geninfo/dishonesty.html>)

Grading and Grading Policies

Policies:

1. All work will be evaluated for organization, content, neatness, grammar, and for how well it meets the assignment objectives.
2. If appropriate (i.e., mathematical or short answer), homework should be done on engineering paper, include questions, and have boxed answers. Homework should show how the problem was completed.

3. Any assignments that require essay answers should be typed.
4. Class participation and behavior may be considered.

Tests

Tests may cover material covered in class and assigned readings. Tests will be closed book.

Schedule

See webpage

Expectations

I expect students to attend class and participate. I also expect students to refrain from texting during lectures.