USF UNIVERSITY OF SOUTH FLORIDA

**Department of Civil and Environmental Engineering**

**Center for Urban Transportation Research**

# Graduate Transportation Course Offerings – Fall 2009

USF offers a variety of graduate transportation courses to support your professional development and academic advancement. Shifting national priorities, increasing interest in transportation infrastructure investment, urban development and sustainability concerns, transportation safety worries, and the pending reauthorization of federal transportation legislation, all suggest a growing reliance on well informed transportation professionals. There is no better time than now to update your skills and knowledge base.

Also, it has never been more convenient with opportunities to attend evening classes at USF or participate via distance learning using internet at whatever time and place is convenient to you.

| Course | Number | Schedule | Instructor |
|---|---|---|---|
| **Traffic Systems Engineering**** | TTE 5205 | Tue 5:15 – 8:00pm | Dr. John Lu |
| **Transportation Planning and Economics**** | TTE 5501 | Mon 6:20 – 9:05pm | Dr. Chanyoung Lee |
| **Intelligent Transportation Systems**** | TTE 6270 | Wed 6:20 – 9:05pm | Dr. John Lu |
| **Land-use and Transportation**** | CGN 6933 | Thu 5:15 – 8:00pm | Dr. Steve Polzin |
| **Discrete Choice Models of Travel Behavior** | TTE 6505 | Mon 3:05 – 5:50pm | Dr. Abdul Pinjari |

** These four courses will be offered for distance-learning students also (via video streaming of the lectures on the internet). Students can listen to the recorded lectures at a time convenient for them. For more information on registering for distance-learning, contact the APEX office at 813-974-3783 or http://apex.eng.usf.edu/

Course Descriptions

TTE 5205: Covers a range of transportation engineering concepts including fundamental traffic models, capacity and level of service analysis, intersection analysis, traffic signal timing, and traffic simulation.

TTE 5501: Presents an overview of urban transportation planning and transportation systems evaluation including travel demand modeling based on trip generation, trip distribution, modal choice and trip assignment.

TTE 6270: Deals with ITS, ITS architecture design and evaluation, simulation and modeling, advanced traffic management systems, traveler information systems, vehicle control systems, etc.

CGN 6933: A range of theories, concepts and models of land-use and urban transportation interactions and relevant transportation planning and policy discussions.

TTE 6505: Methods of data analysis and statistical modeling of travel behavior using discrete choice modeling methods (such as multinomial logit models of mode choice, and destination choice) and software.

Non Degree-Seeking Students: Non-degree seeking students can submit a non-degree seeking enrollment application form prior to course registration. The application process is straightforward and there is a $30 fee. This can be done at: http://www.usf.edu/Admission/non-degree-seeking.asp. From this link, one can apply online or complete an enrollment application through a records and registration office on any USF campus. Once the application is processed, one can register for classes through USF's OASIS system beginning August 17.

For any questions (and approvals before enrolling into a course) non-degree seeking and non-engineering students are encouraged to contact Dr. Abdul Pinjari (apinjari@eng.usf.edu; 813-974-9671) or Dr. Steve Polzin (polzin@cutr.eng.usf.edu; 813-974-9849),