



Study in exotic, metropolitan

Istanbul Turkey

One of the world's most
popular tourist destinations

May 18-29, 2015

Advanced Topics in Transportation
Engineering (CE 650; 3 credit hours)

Boğaziçi University

For more information about this study abroad
opportunity, contact Judy Thomas,
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IOWA STATE UNIVERSITY

Department of Civil, Construction, and Environmental Engineering



Advanced Topics in Transportation Engineering

Transportation engineering is an increasingly global profession. Through this course, students will begin to gain an understanding of the impacts of different engineering, historical, cultural, social, economic, ethical, environmental, and political conditions on the design and construction of various infrastructure projects outside the United States. In addition, this course will help students prepare for future careers in engineering firms and academia as well as in the non-profit arena, including local, state, federal, and international governments and entities. Specific topics include the following:

- History of transportation in Roman, Latin, Byzantine, and Ottoman empires
- Addressing transportation problems in a large metropolitan area
- Comparing U.S. and international traffic safety
- Mega transportation projects
- Public transportation

Instructors

Dr. Shauna Hallmark
Dr. Omar Smadi
Dr. Chris Williams
Dr. Halil Ceylan

All instructors are professors of Civil, Construction, and Environmental Engineering at Iowa State University. The ISU professors will be present for the duration of the two-week course. Visiting professors from Boğaziçi University will also participate.

Your academic program at ISU

Advanced Topics in Transportation Engineering (CE 650; 3 credit hours) can serve as an engineering technical elective for civil engineering students.

Prerequisite: Junior level standing

Field Trips

- Explore sites where modern transportation and other civil engineering structures have been incorporated into historic structures
- Discover Istanbul's transportation options (subway, world's first underwater rail link between two continents, trams, funicular, ferries, sea buses)
- View construction of transcontinental bridge over the Bosphorus Strait
- Visit the world's largest airport construction site near Istanbul
- Experience Istanbul's traffic control center

Course Schedule

10:00 a.m. to 3:00 p.m. M-F

Most evening and weekend hours are free.

Lunch facilities are available on the Boğaziçi University campus.

Housing

Students will reside in the Republika Aparts, located in the popular Ortaköy seaside neighborhood. Offering modern accommodations and popular amenities, including a swimming pool and roof terrace, the apartments are close to Boğaziçi University and many other local attractions: cafés, night clubs, tea houses, a bustling market, art galleries, restaurants, the Bosphorus Strait, historic mosques, and more. See www.republikaaparts.com/.

Costs

- Tuition and fees for 3 credits
- Room (three same-sex students per apartment) with breakfast daily at Republika Aparts: Approximately \$635
- Airfare from Des Moines International Airport with taxi to destination: Approximately \$1,400
- Additional costs for field trips, other meals, and miscellaneous expenses

All listed costs are estimates at this time. Some scholarships are available.

Boğaziçi University

Located in the European side of Istanbul, Boğaziçi University is an American, English-speaking institution. It is ranked among the top 200 "World Universities," according to the Times Higher Education World University, and is one of only a few ABET accredited higher education institutions outside the United States. Boğaziçi University offers one of the top engineering programs in Turkey, as well as excellent curricula in applied science, education, and social sciences.

East meets West

Straddling Europe and Asia, Istanbul occupies 2,000 square miles surrounding the Bosphorus Strait, the sea route connecting the Black Sea and the Mediterranean Sea. With its pleasant Mediterranean climate, Istanbul is a magical city of palaces, imperial mosques, bazaars, fortresses, and basilica, all at home in one of the fastest growing metropolitan economies in the world.

A major destination along the ancient Silk Road, and the historic capital of four major empires (Roman, Latin, Byzantine, and Ottoman), today's Istanbul is a cultural and entertainment hub and a dynamic center of global commerce. Its eclectic population of almost 15 million people is served by a complex, modern transportation network of highways, two international airports, three shipping ports, a "chunnel," an international rail hub, and a public transport system featuring rapid transit, trams, funiculars, and ferries.

