C E 590: Airport Planning and Design

Civil Engineering

Impacts of national transportation policies with emphasis on ground, aviation, and intermodal facilities; financing resources; collection and use of traffic and passenger data for airport planning and design; travel demand forecasting; capacity analysis; visual aids and air traffic control; runway orientation and geometric design; design of terminal areas and ground access; basic pavement structural design and maintenance management; environmental impacts and economic assessment; airport applications of remote sensing and spatial technologies, GIS, and Intelligent Transportation System (ITS) technologies.

3 Credits

Prerequisites

- Prerequiste: Junior standing (60 hr).

Instruction Type(s)

- Lecture: Lecture for C E 590

Subject Areas

- Civil Engineering, General
- Transportation and Highway Engineering

Related Areas

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Water Resources Engineering