

# 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

- Prerequisite: 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](#)

