

## C E 590: Airport Planning and Design

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

## Instruction Type(s)

Lecture: Lecture for C E 590

## **Subject Areas**

- <u>Civil Engineering, General</u>
- Transportation and Highway Engineering

## **Related Areas**

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- <u>Structural Engineering</u>
- Water Resources Engineering

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