

GIS for Sustainable Planning and Smart Growth

San Francisco State University
Geog 9033:
GIS for Sustainable Planning and Urban Design
(2 days, 1.6 CEU)

Lecturer:
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Principal
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Day One

- 8:30 am – 9:30 am: Introductions and Data Preparation
- 9:30 am - 10:30 am: Lecture - Intro to Smart Growth Planning and GIS
Overview of Day One: Sustainable Regional Planning (land use)
Overview of Day Two: Local Planning and Smart Growth (urban form)
- 10:30 am – 12:30 pm: Exercise #1: Making Cartographic Quality Basemap and Existing Conditions for the City of Santa Cruz
- 12:30 pm – 1:30 pm: Lunch
- 1:30 pm – 4:30 pm: Exercise #2: Land Use Suitability for developing Smart Growth oriented economic development in Trinity County, CA
- 4:30 pm – 5:30 pm: Land Use suitability discussion (and GHG discussion time permitting)

Day Two

- 8:30 am – 9:30 am: Lecture on Network Based Walkability Analysis in Planning and Urban Design
- 9:30 am – 12:30 pm: Exercise #4: Sustainable Transit Communities (City of Los Angeles)
 - compare network based walkability index of 60 transit stations analysis
- 12:30 pm – 1:30 pm: Lunch
- 1:30 pm – 4:30 pm: Exercise #5: Walkability Analysis for Hillsdale Station Area Plan (City of San Mateo)
 - Compare network based walkability index between existing and proposed stations
- 4:30 pm – 5:30 pm: Exercise #6: “Downtown 3D” for City of Fullerton
 - Create and Visualize 3D Buildings in ArcScene