

# GEOGRAPHIC INFORMATION SYSTEMS

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**GIS R106 Introduction to Geographic Information Systems 3 Units**

*Same-As:* GEOG R106

*In-Class Hours:* 35 lecture, 52.5 laboratory

*C-ID:* GEOG 155

This course introduces students to computer-based mapping, Geographic Information Systems (GIS). Spatial data is used as a tool to understand the world by describing and explaining the human relationship to the physical environment. Topics include vector and raster systems, map design, scale, resolution, map projection, coordinate systems, georeferencing and Global Positioning Systems (GPS). The laboratory provides applied, hands-on learning, using spatial analysis and modeling with GIS through the use of computers.

**Grade Modes:** Letter Graded

**Field Trips:** May be required

**Degree Applicability:** Applies to Associate Degree

**AA/AS GE:** None

**Transfer Credit:** CSU, UC

**UC Credit Limitations:** None

**CSU GE-Breadth:** None

**IGETC:** None

*For more information, contact:*

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