A Scalable Skills Certification Program in Geographic Information Systems
NSF-ATE DUE # 0401990

San Diego County Office of Education

Regional Occupational Program

Summarized by Ke Zhu     April 7, 2008

Introduction
The San Diego County regional occupational program (ROP) has been offering occupational training programs since 1969. It is the largest County ROP in the state of California offering over 265 tuition-free courses and serving 45,000 students per year who are at least 16 years of age through adult. Many courses articulated with area community colleges are offer high school and college credit and these courses are based on current and future labor market demands.

Home page of ROP:  http://www.sdcoe.k12.ca.us/rop/welcome.asp

ROP Goal
• Cooperate with local school districts in the development of higher level technical courses for junior and seniors enrolled in career majors and/or career paths.
• Continue to reduce paperwork and number of meetings.
• Promote statewide awareness of the quality programs and services offered by the San Diego County ROP.
• Seek additional funding for career preparation programs.
**Funding**
ROP courses are funded through student average daily attendance (ADA) by the State of California. San Diego County ROP operates on a budget in excess of 40 million dollars.

**Results**
- Business and industry are provided a pool of trained, immediately productive individuals who possess the necessary skills and attitudes to be successful employees.
- Students receive training in creating a resume, interviewing skills, and getting and keeping a job.
- Students successfully meet their career and educational goals.
- The community workforce has the availability of a cost-effective training program.

**Classes Related to GIS (Spring/Summer 2008)**
San Diego ROP course catalog: [http://www.sdcoe.net/rop/catalog.asp#catalog](http://www.sdcoe.net/rop/catalog.asp#catalog)

**Borrego Springs USD**
- Landscape Construction

**Carlsbad USD**
- Computerized Graphic Design

**Grossmont CCD**
- Computerized Graphic Design/Multimedia

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Grossmont UHSD
  • Computer 3-D Design/Animation
  • Landscape Maint/Special Needs
Julian UHSD
  • Computerized Graphic Design
Mountain Empire USD
  • Computerized Graphic Design
Oceanside USD
  • Computer 3-D Design/Animation
  • Computer Science/Programming
Palomar CCD
  • Computerized Graphic Design
Ramona USD
  • Landscape Construction
  • Computerized Graphic Design
San Diego USD
  • Computerized Graphic Design
  • Civil Engineering and Architecture
  • Engineering Design and Development
  • GIS and Global Technologies
  • Hospitality and Tourism
  • Photographic Imaging
San Dieguito UHSD
  • Computerized Graphic Design
San Marcos USD
  • Graphic Design
  • Southwestern CCD
  • Landscape Maint
Sweetwater UHSD
  • Graphic Design
Valley center USD
  • Computerized Graphic Design
  • Geographic Information Systems (GIS)/Intro
  • Landscape Construction