



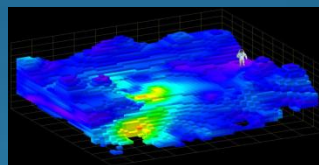
Geospatial Summer Institute Fellowship Program Princess Hays



NASA Space Consortium, OK-LSAMP, University of Oklahoma

Abstract

The Geospatial Summer Institute Fellowship Program is an Oklahoma NASA Space Grant fellowship program built around the intensive course that provides hands-on experience in GIS, GPS and remote sensing for students from all eight Space Grant affiliate universities in Oklahoma. For two weeks, May 16-19 & 23-26, and with support from Oklahoma NASA Space Grant Consortium, the Geospatial Summer Institute provided twenty undergraduate and graduate students with opportunities to explore technological, application, and industrial experiences in remote sensing, Global Positioning Systems (GPS), and Geographic Information Science (GIS). The program includes intensive hands-on geo-techniques training and tours to geospatial industries and government agencies. Students also had the option to receive 3 credit hours (s/u graded) through the University of Oklahoma. The purpose of the program was to gain a basic understanding of geographic information systems. Students became familiar with the potential uses of geographic information systems, provided a basic introduction to effectively communicating spatial information through maps and gained knowledge to the ArcGIS desktop software which will provide a foundation to expand GIS expertise. The institute was taught under the direction of Dr. John McIntosh of the Center for Spatial Analysis and Geoinformatics Program at the University of Oklahoma on the Norman campus. The Center for Spatial Analysis is the nexus of geographic information science at the University of Oklahoma. Their unique and diverse strengths encompass research and education in geoinformatics, remote sensing, spatial analysis, visual analytics, database and knowledgebase development and geocomputational methods.

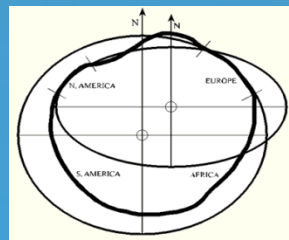


Purpose

- Provide hands-on experience in GIS, GPS and remote sensing for students from all eight Space Grant affiliate universities in Oklahoma.
- Gain a basic understanding of geographic information systems

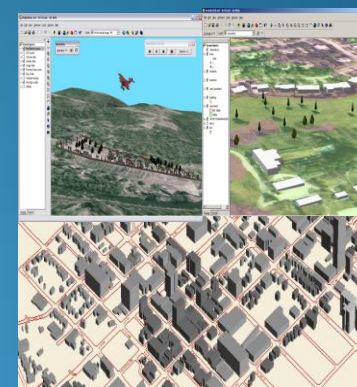
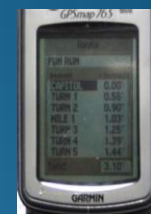
Method

- With support from Oklahoma NASA Space Grant Consortium, the Geospatial Summer Institute provided twenty undergraduate and graduate students with opportunities to explore technological, application, and industrial experiences in remote sensing, Global Positioning Systems (GPS), and Geographic Information Science (GIS) for 2 weeks.



Results

- Enhanced Geographic Information Science knowledge.
- Participation in Geocaching.



Images source: ESRI

Acknowledgements

- NASA Space Grant Consortium
- OK-LSAMP
- University of Oklahoma
- Mrs. Thelma Wallace