THE RICHARD STOCKTON COLLEGE OF NEW JERSEY

PROFESSIONAL DEVELOPMENT & CONTINUING EDUCATION
FOR HEALTH SCIENCES & HUMAN SERVICES

Fall 06 GIS Continuing Professional Education Series

Geographic Information Systems (GIS) is a powerful computer technology that combines maps, databases, and industry-standard rules and procedures. While GIS is a tool that can be used to support enhanced decision making and increased efficiency in almost every industry, the steep learning curve required to master these tools has prevented the technology from becoming mainstream. However, the emergence of business mapping programs like Microsoft MapPoint, Internet mapping sites such as Google Maps and Microsoft Live Local, and open source tools such as MapServer, has started to bring GIS closer to the mainstream.

Stockton College is pleased to present the initial offerings in its GIS continuing education series. These two 4.5 TCH workshops, taught by Louis A. Rodriguez, P.E., will open new doors of data visualization and analysis for professionals from any number of industries. Participants will receive CDROM containing Microsoft PowerPoint of presentation including links to web sites containing GIS data; links to federal, state, county, and private Web Mapping Services; and open source GIS software.

<u>Friday, September 29, 2006</u> *Practical Applications of GIS for Professionals $129.00*
For professionals from any industry (Government; Utility Authorities; Public Health and Social Services; Public Safety; Community Affairs, Criminal Justice, Commercial Realty, etc). Basic knowledge and framework necessary to utilize GIS data and software within business context. Learn how and where to obtain useful data for little or no cost, receive hands-on training in how this data can be analyzed using a variety of inexpensive and free GIS software tools.

Participants will identify, locate, and acquire data from relevant federal, state, county, and local agencies; differentiate the limitations and benefits of various desktop GIS viewing and analysis tools such as open source GIS applications, Microsoft MapPoint, Google Earth Pro, and ESRI's ArcExplorer; access mapping data directly from publicly accessible Web Mapping Services using ESRI's, ArcExplorer and uDig, an open source desktop GIS program; create maps using data accessed via Web Mapping Services and data downloaded from the Web.   Approved for 4.5 DEP Water Supply and Wastewater Licensed Operator Training TCHs, 4.5 Health Officer CEs (HO/REHS CE #10440).

<u>Friday, October 20, 2006</u> *Practical Applications of GIS for Utility Professionals $129.00*
For professionals responsible for managing water/sewer/stormwater systems. Basic knowledge and framework necessary to utilize GIS data and software within utilities context. Learn how and where to obtain useful data for little or no cost and how this data can be analyzed using a variety of software tools. Course combines detailed instruction with hands-on training using a number of inexpensive and free GIS software tools.

Participants will identify, locate, and acquire data (i.e. street centerlines, parcels, aerial photography) from federal, state, county, and local agencies that will improve decision making within the water/sewer/stormwater industry; differentiate between the limitations and benefits of various desktop GIS viewing and analysis tools such as open source GIS applications, Microsoft MapPoint, GoogleEarth, and ESRI's ArcExplorer; produce maps (i.e. stormwater pollution prevention plan maps) using open source software along with geographic and tabular data acquired from the Web and accessed dynamically via Web Mapping Services 4. Participants will use Microsoft MapPoint to link records from a spreadsheet (i.e. customer locations, hospitals, underground storage tanks, etc.) to a map and be able to perform the following tasks: Create a driving route for a selected group of records, create a drivetime zone from a particular address and prepare a report of all records found within the resulting zone, find all records within a user-defined radius from a particular street address or point on the map.   Approved for 4.5 DEP Water Supply and Wastewater Licensed Operator Training TCHs

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Workshops will be held at Stockton's Carnegie Library Center in Atlantic City, 8:30 A.M. – 1:00 P.M.
Free, convenient parking   State of the art training facility

For more information and to register call 609.652.4227
or www.stockton.edu/hshs