

Land Surveyors

All courses approved for Delaware PDH Units and Maryland CPC Units.

REVIEW OF STORMWATER MANAGEMENT MODELING & TECHNICAL UPDATE

Course reviews TR55/TR20 model and runoff computations: SCS rainfall, land use, soil groups, slope, time of concentration, runoff quantity, peak discharge, and hydrographs. Delaware storm water management criteria and practices are reviewed and updated. Green initiatives discussed include detention and retention basins, bioswales, bioretention, and infiltration. Students gain hands-on practice using WinTR55 and HydroCAD for runoff and routing computation. **Approved for MD/DE land surveyors. 24 hrs, 2.4 CEUs**

Instructor: John Schneider

EYI 534 231 200812 8 sess, W, 1/30-3/19,
6:30-9:30pm, \$281

UTILIZING ROBOTIC AND GPS TECHNOLOGY

Gives general explanations of robotics and global positioning systems. Topics include servo-driven instruments, GPS mapping and survey grades, GPS surveying, RTK (real-time kinematic) applications, static observations, misuses and misapplications of technology, and concept summary. **Approved for MD/DE land surveyors. 7 hrs, .7 CEUs**

Instructor: Bill Derry

EYI 536 201 200812 1 sess, T, 2/5,
8:30am-4:30pm, \$116

ADVANCED DATA COLLECTION TECHNIQUES

Class examines data collection using an interdisciplinary perspective. Explores the roles of surveyor, engineer, and geographer in the collection of data and its incorporation into maps and relational databases. Use of total stations and GPS receivers is covered along with data capture from existing maps and drawings as archival information and the basis for mapping. Topics include data capture via remote sensing, aerial photography conversion, digital airborne sensors, and the surveyor's link to these technologies. Digital Orthoimagery and its role in developing mapping will be introduced along with ideas for incorporating modern instrumentation and data collection technology into the office. **Approved for MD/DE land surveyors. 7 hrs, .7 CEUs.**

Instructor: Alan Roth

EYI 551 201 200812 1 sess, W, 2/20,
8:30am-4:30pm, \$116



INTRO TO GLOBAL POSITIONING SYSTEMS FOR LAND SURVEYORS

Develops a basic understanding of GPS including fundamental concepts, capabilities, and limitations. Discusses GPS surveying hardware and software. Compares GPS to traditional surveying techniques and explores how to integrate use of both methods. **Approved for MD/DE land surveyors. 7 hrs, .7 CEUs**

Instructor: William Fischer, P.G.

EYI 537 201 200812 1 sess, F, 2/22,
8:30am-4:30pm, \$116

INTRO TO MAPPING AND GIS FOR LAND SURVEYORS

Introduces the concept of Geographic Information Systems (GIS), what constitutes a GIS, and how it is used in the science and technology industry. Topics include database management, layering, projections and coordinate systems, data viewing, data presentation, and data analysis. Approved DE onsite lic. A, B, C, D, E, F, H. NJ-07-040692-30. Approved VA WWOPS. **Approved for MD/DE land surveyors. 7 hrs, .7 CEUs.**

Instructor: William Fischer, P.G.

EYI 546 201 200812 1 sess, M, 3/31,
8:30am-4:30pm, \$116

ADVANCED TECHNOLOGIES & DIGITAL ARCHIVING

Explains how to organize and set up a digital archive for safe storage of wide and narrow format documents that can be retrieved as needed from anywhere in the world. Discussion includes benefits of archiving as well as equipment and software required. Instructor will demonstrate an advanced, Internet-based document storage system. **Approved for MD/DE land surveyors. 7 hrs, .7 CEUs**

Instructor: John DiCarlo

EYI 535 201 200812 1 sess, Th, 5/15,
8:30am-4:30pm, \$116

WORKFORCE INVESTMENT ACT

Blue Collar Programs

The Workforce Investment Act (WIA) program serves unemployed and underemployed Delaware residents. For Spring semester, space is available in the Commercial Transportation-Tractor Trailer Driving. Job placement assistance and support services are available to enrolled participants. For more information, call: Chala Breen, 856-5400, Ext. 3700

College & Career Pathways

If you are a Delaware resident, between the ages of 19-21 years old, a high school graduate or have your GED, this program can start you on your way to a successful career. We can help cover a portion of your college expenses, provide mentoring and case management to make your college transition less stressful, prepare you for the job market and help you find employment. For more information and eligibility criteria call: Chala Breen, 856-5400, Ext. 3700.