

**DELAWARE BOARD OF PROFESSIONAL LAND SURVEYORS
2011-2013 APPROVED CONTINUING EDUCATION COURSE LISTING**

Sponsor/Contact Information	Course Title	Date	PDH Hrs	Ethics
American Congress on Surveying and Mapping - Arizona Professional Land Surveyors (APLS) Contact: Timothy Kent Phone: (204) 632-9716	<i>Esri/ACSM Summit - San Diego, CA</i>	7/8-10/2011	98 total	
	The Public Land Survey System (The Big Picture)	7/8-10/2011	4	N
	Geodetic and Tidal Vertical Datum's	7/8-10/2011	6	N
	Local Vertical Datum Conversion	7/8-10/2011	4	N
	Ok, I have My License, Now What?	7/8-10/2011	6	N
	A Field Guide for Real Time GNSS Positioning	7/8-10/2011	4	N
	The 4 P's of Running a Successful Business	7/8-10/2011	4	N
	An Introduction to the NEW 2011 ALTA/ACSM Survey Standards	7/8-10/2011	6	N
	Business Self Defense: Documenting the File	7/8-10/2011	4	N
	The Art and Science of Real Property Descriptions: Situational Awareness	7/8-10/2011	4	N
	Ethics for the Land Surveyor	7/8-10/2011	4	Y
	Applications of RS and GIS as Decision Support System	7/8-10/2011	4	N
	Orthometric Heighting with GPS	7/8-10/2011	6	N
	Civil Integrated Management (CIM), 3D MC and the PLS	7/8-10/2011	4	N
	Workshop: Unmanned Aircraft Systems in Surveying and Mapping	7/8-10/2011	4	N
	Pricing Professional Services	7/8-10-2011	4	N
	Map Projections Short Course	7/8-10/2011	4	N
	From RTK to Mobile: High Accuracy Minicipal Intrastructure Data Collection	7/8-10/2011	6	N
	How to Model GIS with Lidar	7/8-10/2011	4	N
	The Surveyor's Role in Boundary Conflict Resolution	7/8-10/2011	4	N
The Surveyor as Expert Witness & Disclosure Reports	7/8-10/2011	4	N	
Role of the Surveyor in the Digital Age	7/8-10/2011	4	N	
Perspectives on the Future of the Surveying Profession	7/8-10/2011	4	N	
American Society of Civil Engineers (ASCE) Contact: ASCE Continuing Education Dept Phone: (800) 548-2723 www.asce.org	Practical Applications of LIDAR	6/22/2012	7	N
Artesian Water Company, Inc. Contact: Katrina Sevens, HR Manager Phone: (302) 453-6982	2011 Summer Series-Supervisory/Management Support Workshops	5/12 - 9/1/2011	14	N

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CADapult, Ltd. Contact: Beth Uczynski Phone: (302) 733-0477 ext.157 www.cadapult.net	Civil 3 D JumpStart for Surveyors-CIV-102	Monthly	6	N
	Everything Begins & Ends with a Survey	3/29/2012	4	N
	Infrastructure Seminar Series: Survey Event	3/29/2012	4	N
Delaware Association of Surveyor's, Inc. (DAS) Contact: Beth Passwaters Phone: (302) 337-7868	2011 Conference and Expo	10/6 - 10/7/2011	40 total	
	Chesapeake and Delaware Canal	10/6 - 10/7/2011	4	N
	Opus and Professionalism	10/6 - 10/7/2011	8	1
	Mathematics of Land Surveying	10/6 - 10/7/2011	8	N
	Proposed Cooperative Effort To Update the Vertical Networks for the State of DE	10/6 - 10/7/2011	4	N
	Survey Technology/Instrument Service	10/6 - 10/7/2011	8	N
	ALTA/ACSM Standards	10/6 - 10/7/2011	4	N
	Surveyor's Issues: Board or Business	10/6 - 10/7/2011	2	2
	Establishing & Maintaining the Official Survey Base	4/24/2012	1	N
	2012 Conference and Expo	11/1 - 11/2/2012	48 Total	
	Delaware Public Archives; Resources of Interest to Land Surveyors	11/1 - 11/2/2012	8	N
	Perspective on the Future of the Surveying Profession	11/1 - 11/2/2012	4	N
	Understanding Measurement Error	11/1 - 11/2/2012	8	2
	Leveling and Traversing	11/1 - 11/2/2012	4	N
National Spatial Reference System	11/1 - 11/2/2012	8	N	
Project Management for Surveyors	11/1 - 11/2/2012	8	N	
ESRI and GIS for Surveyors	11/1 - 11/2/2012	8	N	
Projections and Coordinate Systems – GIS Applications	11/1 - 11/2/2012	4	N	
GIS for Land Surveyors – Concepts, Solutions, & Applications	11/1 - 11/2/2012	4	N	
Delaware Dept of Spec Svcs, Dept of Land Use Contact: Janice Catherman Phone: (302) 395-5745	New Castle County Storm Management Commercial Facilities	11/10/2011	2	N
	New Castle County Storm Management Residential Facilities & Amnesty Program	11/10/2011	2	N
Delaware Tech and Community College Contact: Dr. Michael Owens Phone: (302) 855-5900	Intro to Mapping and GIS for Operators	12/5/2011	7	N
	Introduction to Stormwater Best Management Practices	10/28/2011	4.5	N

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DNREC - Division of Watershed Stewardship Contact: Joanne Gadney Phone: (302) 739-9921	Certified Construction Reviewer Course	3/7, 14, 21, 28/12	23	N
Florida Surveying and Mapping Society Contact: Rachel Simpkins Phone: (800) 237-4384	2012 Education Conference	2/23 - 2/25/2012	46	2
Harken-Reidar, Inc. Contact Harry O. Ward, PE Instructor Phone: (540) 635-6742	AutoCad Civil 3D	10/11 - 10/12/2012	16	N
LSW, Inc./ PLSSeminars Contact: Vickie Kluttz Phone: (336) 846-1101 www.landsurveys.com	Boundary Dispute Mock Trial	8/29 - 30/2011	4.5	N
	Ethics and the Professional Land Surveyor (An Introduction)	8/29 - 30/2011	1.5	Y
	Get a Leg Up on the Competition	8/29 - 30/2011	1.5	N
	The New ACSM-ALTA Standards Inside and Out	8/29 - 30/2011	6	N
	Unlocking Boundary Disputes: "You Hold The Keys"	8/29 - 30/2011	6	N
Maryland Society of Surveyors Contact: Mark Husik Phone: (800) 303-6770 www.marylandsurveyor.org	2011 Fall Conference - McHenry, MD	9/23 - 9/24/2011	32 total	
	Over 250 Years of Uncertainty: The Deakins Line and VA/WVA and MD Boundary	9/23/2011	4	N
	GPS-101 A Look at How We Obtain Accurate Positions from the Satellites on Them	9/23/2011	4	N
	GPS-202 Dealing with Field Conditions to Obtain Accurate Positions	9/23/2011	4	N
	Recent Developments in MD Law Related to Surveying Part 1	9/24/2011	4	N
	Situational Ethics for the Land Surveyor	9/24/2011	4	Y
	Early Surveying Techniques and the Evolution of Surveying Equipment	9/24/2011	4	N
	Recent Developments in MD Law Related to Surveying - Part 2	9/24/2011	4	N

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Maryland Society of Surveyors	2012 MSS Spring Conference - Linthicum Heights, MD	4/5 - 4/6/2012	32 total		
	AutoCAD Civil 3D Survey Essentials	4/5/2012	4	N	
	GIS Online	4/5/2012	4	N	
	NA2011 - Better Positions & Improved Access to NSRS	4/6/2012	4	N	
	Point Clouds and Reality Capture	4/6/2012	4	N	
	Protecting Your Practice Part 1	4/5/2012	4	N	
	Protecting Your Practice Part 2	4/5/2012	4	N	
	Railroad Surveying 101	4/6/2012	8	N	
	ArcGIS Desktop 10.1	6/8/2012	8	N	
	Mock Trial: Green v. WSSC	6/8/2012	4	N	
	Title vs. Tidal	6/8/2012	4	N	
		2012 Fall Conference and Exhibition - Ocean City, MD	10/4 - 10/6/2012	60 total	
	Using GPS for Accurate Heights	10/5/2012	4	N	
	AutoCAD Civil 3D Survey Essentials	10/5/2012	4	N	
	Boundaries, Boundaries, Everywhere	10/5/2012	8	N	
	Knowledge-Worker Leadership	10/5/2012	4	N	
	GIS - Concepts, Solutions & Applications	10/5/2012	4	N	
	Using Today's Technology for Inspection and Design Projects	10/6/2012	4	N	
	2011 Supplement to the Statutory Laws of MD	10/6/2012	8	N	
Understanding Foundation Flood Vents	10/6/2012	4	N		
Surveyor's Library: Resources for the Well Read Professional	10/6/2012	4	N		
Terrain Modeling, Contouring and Analysis in AutoCAD Civil 3D	10/6/2012	4	N		
Surveying & Engineering Ethics in Technical Communications	10/5/2012	8	Y		
National Business Institute Contact: Courtney Krueger Registering number: (800) 930-6182 www.nbi-sems.com	Practical Guide to Zoning and Land Use Law/Dover or Wilmington /Seminar	10/24 - 10/25/2011	6 total		
	Ethics in Zoning and Land Use Law	10/24 - 10/25/2011	1	N	
	Roadmap for Navigating the Approval Process	10/24 - 10/25/2011	1	N	
	Constitutional Limitations on Zoning Actions	10/24 - 10/25/2011	1	N	
	Challenging or Appealing an Administrative Zoning Decision	10/24 - 10/25/2011	1	N	
	Adoption and Amendment of Zoning Ordinance and Map	10/24 - 10/25/2011	1	N	
	Dealing with Special Zoning Issues	10/24 - 10/25/2011	1	N	
	Title Workshop: From Examination to Commitment	12/5/2011	6	N	

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New Jersey Society of PLS	The Interfacing between Land Surveyors & Engineers for Design Projects	2/1/2012	4	
	The National Geodetic Survey Toolkit: OPUS Improvements and Plans	2/2/2012	4	
	The Newest Letter of Map Change: The FEMA eLOMA	2/3/2012	4	
	Thinking Beyond Technology	2/1/2012	4	
	Uncertainties and Quality Issues in GIS	2/3/2012	4	
	What an Amberg Trolley Can Really Do!	2/2/2012	4	
	You Knew It As TDS Survey Pro	2/1/2012	8	
	SurvCon 2013-34th Annual Conference and Exhibition	02/06 - 02/08/2013		
	Surveying and Engineering Ethics in Client Communications	2/6/2013	4	Y
	Practice of Land Surveying and Engineering is a Business	2/7/2013	4	N
	Terrain Modeling, Contouring, and Analysis in AutoCAD Civil 3D	2/6/2013	4	N
New Jersey Water Environment Association Contact: John Lagrosa, Conference Mngr. Phone: (973) 239-9200	Engineering Ethics	5/16/2012	2	Y
	OSHA 8-Hr HAZWOPER Refresher	5/15/2012	8	N
Pennsylvania Society of Land Surveyors Contact: Laurie Troutman Phone: (717) 540-6811 www.psls.org	2012 PSLs Surveyors' Conference	1/22 - 1/25/2012		
	ALTA/ACSM 2011 Standards	1/24/2012	3.5	N
	BMP Manual	1/24/2012	7	N
	Boundary Law	1/25/2012	3.5	N
	Boundary Retracement Procedures	1/25/2012	3.5	N
	Carlson ESRI GIS Presentation	1/23/2012	7	N
	Control Surveying with GPS	1/23/2012	3.5	N
	County Implementation of a GIS	1/25/2012	3.5	N
	Detention Pond Design	1/23/2012	7	N
	Easements and Rights of Way	1/24/2012	3.5	N
	Ethics & Liability of Sharing Electronic Information	1/23/2012	3.5	Y
	Field to Finish - The Good... The Bad... The Ugly	1/24/2012	3.5	N
	Fundamentals of GPS	1/23/2012	3.5	N
	Geosynthetics for Sediment Control, Erosion Prevention & Storm	1/25/2012	7	N
	GIS on the Cheap	1/24/2012	3.5	N
	GPS & Hydrographic Surveying	1/25/2012	3.5	N
GPS Technical Aspects	1/25/2012	3.5	N	
Instrument Adjustment	1/24/2012	3.5	N	

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Pennsylvania Society of Land Surveyors	Machine Control	1/23/2012	3.5	N
	Mobile Mapping	1/25/2012	3.5	N
	New Developments in OPUS	1/24/2012	3.5	N
	NGS Real Time GNSS User Guidelines	1/24/2012	3.5	N
	OSHA Certification Course	1/23 - 1-24/2012	10.5	N
	Perils of Surveying in the Modern World	1/24/2012	7	N
	Practical GPS in the Field	1/23/2012	3.5	N
	Professional Ethics for Surveyors	1/23/2012	3.5	Y
	Records Research	1/25/2012	3.5	N
	Risk Management for the Surveyor	1/23/2012	3.5	N
	State Plane Coordinate Systems	1/24/2012	3.5	N
	Survey Measurement Analysis	1/23/2012	3.5	N
	Unique Title Issues in the Marcellus Shale	1/25/2012	3.5	N
	Using GIS for Land Development	1/25/2012	3.5	N
	Wind Farm Permitting	1/25/2012	3.5	N
	Stormwater Management - Using Geosynthetic Products for PA BMP's	3/24/2012	4	N
2013 PSLS Surveyors' Conference		01/13 - 01/16/13		
	How to Make a Boundary Determination That Will Win in Court	1/14/2013	7	N
	Forensic Surveying for Accident Scenes	1/14/2013	3.5	N
	E & S Manual	1/14/2013	7	N
	Laser Scanning	1/14/2013	3.5	N
	Stormwater Design	1/14/2013	7	N
	Fundamentals of GPS	1/14/2013	3.5	N
	GIS on the Cheap	1/14/2013	3.5	N
	PA Manual of Practice	1/14/2013	3.5	N
	Mobile Mapping	1/14/2013	3.5	N
	Practical GPS	1/14/2013	3.5	N
	Using GIS for Land Development	1/15/2013	3.5	N
	Boundary Retracement Case Studies	1/15/2013	3.5	N
	Boundary Line Agreements	1/15/2013	3.5	N
	BMP Manual	1/15/2013	7	N
	Subsurface Utility Location/Engineering	1/15/2013	3.5	N
	Unique Title Issues in the Marcellus Shale	1/15/2013	3.5	N

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Pennsylvania Society of Land Surveyors	Geodesy	1/15/2013	3.5	N
	The Language of GIS for Surveyors	1/15/2013	3.5	N
	Legal Descriptions	1/15/2013	3.5	N
	Railroad Surveying	1/15/2013	3.5	N
	Better Positions & Improved Access to the Nation Spatial Reference System	1/15/2013	3.5	N
	Gas & Oil Safety	1/15/2013	3.5	N
	Control Surveying with GPS	1/15/2013	3.5	N
	Pathway to Trouble	1/15/2013	3.5	N
	Easements & Rights-of-Way	1/16/2013	3.25	N
	Survey Reports	1/16/2013	3.25	N
	Design Applications for Stormwater Management	1/16/2013	6.5	N
	Machine Control	1/16/2013	3.25	N
	Ticks, Lyme Disease, and West Nile Virus	1/16/2013	3.25	N
	Using GPS for Accurate Heights	1/16/2013	3.25	N
	ESRI GIS	1/16/2013	6.5	N
	Riparian Boundaries	1/16/2013	3.25	N
	Wetlands	1/16/2013	3.25	N
	Civil 3D Survey Essentials	1/16/2013	3.25	N
	Back Safety & Lifting Techniques	1/16/2013	3.25	N
	GPS Technical Aspects	1/16/2013	3.25	N
South Carolina Society of PLS	Surveyors Continuing Education Conference & Trade Show	2/9 - 2/10/2012	13	2