

PROFESSIONAL DEVELOPMENT

WORKSHOPS IN SURVEYING

<http://cce.oregonstate.edu/surveying>

OREGON LAND SURVEY LAW #1

This workshop explains the basic Oregon land surveying statutes and common law decisions. It introduces the surveyor to the legal portion of the profession. The information is helpful in the Oregon four-hour session of the Principles and Practice of Land Surveying (PS) exam.

Staff: Prof. Robert J. Schultz, PE and PLS
Tyler B. Parsons, PLS, WRE and CFEDS

Dates: January 7-8, 2010
Thursday/Friday, 8:30-4:30, 110 Owen Hall

Fee: \$280/person

OREGON LAND SURVEY LAW #2A

On Thursday this law workshop will extend the materials from Workshop No. 1 into the areas of agreements, adverse possession, and ethics. The Friday session will include a discussion on water boundaries and surveyor duties with respect to other parties.

Staff: Prof. Robert J. Schultz, PE and PLS – Thursday
Dennis Bartoldus, Attorney at Law – Friday

Dates: January 21-22, 2010
Thursday/Friday, 8:30-4:30, 110 Owen Hall

Fee: \$160/person for one day
\$280/person (same person attends both days)

OREGON REAL-TIME GPS - Day 1

Participants will learn about the structure of the Oregon Real-Time GPS Network (ORGN). You will learn how to download RINEX data for post-processing GPS field data. Access to ORGN rover accounts and what GPS equipment and cellular services are needed to utilize real-time corrector will be explained. A field exercise using GPS rovers and ORGN RT correctors will be held. New uses and GPS novice personnel will gain the most from this workshop. If you bring your own equipment, set up an ORGN rover account prior to the workshop.

Staff: Day 1 - ODOT staff
Day 2 - Mark L. Armstrong, PLS, National Geodetic Survey, Oregon Advisor
Dave Zenk, PE and PLS, National Geodetic Survey, Minnesota Advisor

Dates: February 4-5, 2010
Thursday/Friday, 8:30-4:30, 110 Owen Hall

Fee: \$160/person for one day
\$280/person (same person attends both days)

NSRS RELATED TOPICS - Day 2

Real time networks are built to deliver accurate results using the best information available. As new measurements are made, new adjustments and new datums are developed. We will explain the current status and anticipated future of the following topics:

- Oregon Coordinate Reference System
- National Spatial Reference System - NSRS2007 GPS-Derived Heights National Height Modernization Program
- NAVD88 Datum, GRAV-D, and Future Vertical Datum
- GEOID09 in Oregon and Minnesota

2010 Surveying Workshops at OSU

Oregon Land Survey Law Workshop #1 January 8-9, 2009	Oregon Land Survey Law Workshop #2A Jan. 22-23, 2008	Oregon Real-Time GPS February 4, 2010 NAVD 88 Workshop February 5, 2010	Basics of Lidar Scanning February 18, 2010 Fundamentals of Surveying Exam Review February 19, 2010	Oregon Water Rights Workshop March 4-5, 2010	PLSO Annual Conference January 12-16, 2010 Portland, OR	ACSM Annual Conference April 24-28, 2010 Phoenix, AZ	ASPRS Annual Conference April 26-30, 2010 San Diego, CA
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This publication will be made available in accessible formats upon request. Please call 541-737-4273 for information.



School of Civil and Construction Engineering
220 Owen Hall
Corvallis, OR 97331
541-737-4273

E-mail address updates to
kiewit.center@oregonstate.edu

BASICS of LIDAR SCANNING - Day 1

FUNDAMENTALS of SURVEYING EXAM REVIEW - Day 2

This workshop will cover fundamentals behind LIDAR and terrestrial laser scanning. Specifically, types of scanners, typical applications, scan alignment/integration, georeferencing, survey optimizations, data processing strategies and more will be discussed.

This course serves as a review for the Fundamentals of Surveying (FS) exam. Currently enrolled college students can attend for half-price, \$80.

Staff: Day 1 - Prof. Mike Olsen, OSU Civil and Construction Engineering
Day 2 - Prof. Robert J. Schultz, PE and PLS
Tyler B. Parsons, PLS, WRE and CFEDS
James Kiser, Instructor, OSU Forest Engineering

Dates: February 18-19, 2010
Thursday/Friday, 8:30-4:30, 110 Owen Hall

Fee: \$160/person for one day
\$280/person (same person attends both days)

OREGON WATER RIGHTS WORKSHOP

The first day of this workshop involves water right issues for those intending to take the Oregon Water Rights Exam. A reference binder with OAR's and ORS's, hydraulic nomographs, and numerous water right examples is provided. Attendees should bring a calculator with scientific functions.

Staff: Bruce A. Estes, PLS and CWRE

Dates: March 4-5, 2010
Thursday/Friday, 8:30-4:30, 110 Owen Hall

Fee: \$280/person

Registration

_____ Oregon Land Survey Law Workshop #1	January 8-9, 2010	\$280
_____ Oregon Land Survey Law Workshop #2A	January 21-22, 2010	\$280
_____ #1 Manual only (mailed after January class)		\$65
_____ #2A Manual only (mailed after January class)		\$65
_____ NCEES FS manual		\$16 (or mailed \$18)
_____ NCEES PS manual		\$16 (or mailed \$18)
_____ Oregon Real-Time GPS and NAVD 88 Workshop	February 4-5, 2010	\$280
_____ Oregon Real-Time GPS	February 4	\$160
_____ NAVD 88 Workshop	February 5	\$160
_____ LIDAR Scanning & Surveying Exam Review	February 18-19, 2010	\$280
_____ Basics of LIDAR Scanning	February 18	\$160
_____ Fundamentals of Surveying Exam Review	February 19	\$160
_____ _____ Review for students	February 19	\$80
_____ Oregon Water Rights Workshop	March 4-5, 2010	\$280

Register online at cce.oregonstate.edu/surveying or mail/fax form

Name:	Agency
Address:	Phone: _____ E-mail: _____
City, State, Zip:	Purchase order _____
_____ VISA _____ MC _____	Credit Card Billing Address: _____
Name as on card: _____ # _____	Exp. _____

One application per person; photocopy if necessary. Make checks payable to: **OSU Kiewit Center**

Mail to: Nancy Brickman, OSU —The Kiewit Center, 220 Owen Hall, Corvallis, OR 97331-3212

Fax to: 541-737-3052

E-mail: kiewit.center@oregonstate.edu

OSU Fed ID: 481-278-540

- **REGISTRATION:** Register online or mail completed registration form. Full payment (purchase orders, checks, or Visa/MC) must be received five business days before the first class meeting to assure space in the workshop.

- **CANCELLATION AND REFUNDS:** Registrants who are unable to attend a workshop will receive, on request, a refund of fees less a \$15 processing fee, provided at least 24 hours' advance notice is given. Contact Nancy 541-737-4273.

- **MAP & HOTEL INFO:** available online at <http://www.visitcorvallis.com>

- **PARKING PERMITS:** Permits and parking information will be mailed with your confirmation letter. Use parking lots designated for Students (look for green lot signs). A campus parking map is shown on the registration website. Vehicles with E-plates do not require permits and can park free.

- **CONFIRMATION:** Please consider your registration confirmed if you have received a receipt of payment /registration. If the workshop enrollment minimum (12) is not reached, participants will be notified the week prior to the workshop, and fees will be refunded (notification to be sent via e-mail or regular mail on the Friday before workshop date).

- **ALL WORKSHOPS** are subject to a minimum of 12.