



# GSSI West StructureScan Training Course Outline and Info Packet

## Where is the class held?

Class is generally held in Springfield Oregon at the Holiday Inn Eugene North-Springfield, 919 Kruse Way, Springfield Oregon 97477. Some classes will be conducted at other Western Region locations and specific location information will be included in the GSSI West class schedule on our website.

## When are the classes?

The GSSI West class schedule is on our website at <http://www.geophysical.com/training.htm>. Class size is limited to eight students, so reserve a spot early. You can reserve a spot by contacting the GSSI West Training Specialist, Mac McCallister at 510.914.3930 or via email at [mccallisterm@geophysical.com](mailto:mccallisterm@geophysical.com).

## What are the class times?

Classes run three days from 9 AM to 4 PM with approximately one hour for lunch. Breaks are given every hour.

## What does it cost?

Class tuition is \$800 per student. If you purchased a complete UtilityScan system it came with two free class credits which can be applied to any scheduled training course offered by GSSI. You can either send two people to one class or one person to two different classes.

## Where should I stay?

The Holiday Inn, Springfield offers a reduced rate to GSSI students who elect to stay at this hotel. Reservations must be made no later than one week prior to the class start date in order to get this reduced rate. There are several additional hotel options within a five minute drive of the course location. A listing with phone numbers is included in this packet.

Geophysical Survey Systems, Inc.  
12 Industrial Way, Salem, New Hampshire 03079-4843 Tel: 800-524-3011 Fax: 603-889-3984  
[sales@geophysical.com](mailto:sales@geophysical.com) [www.geophysical.com](http://www.geophysical.com)

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## How far is the class location from the Airport?

Approximately eleven miles East-Southeast from the Eugene Airport on the East side of the I-5.

## Do I need to rent a car?

Probably not unless you want to do some touring in the area. Several of the hotels on the list have shuttle service to and from the Eugene Airport. Please check the hotel information page to see which ones have shuttle service, what the charges may be and which do not have shuttle service.

## What should I bring?

We will supply everything you need for the course so there is no need for you to bring anything other than what you need for travel. A portion of the course required some intensive computer work. You should be familiar with working in a Microsoft Windows environment. You should be able to:

- 1** Create and name/rename a folder in windows
- 2** Move files around your computer by ‘dragging and dropping’ or cutting and pasting. The instructor may not have the time to teach you this so you should acquire this knowledge before coming to the class. The standard tutorials that come with Windows should be enough.

You may videotape or record the training if you wish. If you want to bring your personal equipment to work with, that is fine but not required. Students will be evaluated by class participation and oral examinations.

## What if I need to cancel/reschedule?

Just contact Mac McCallister and let him know 48 hours before the class. You will not be billed for the class. Failure to show without prior cancellation may result in a penalty.

## Should I plan to stay and do some touring?

Absolutely. In addition to being located in the wine-making region of central Oregon, this area offers hiking, freshwater and saltwater fishing, river rafting and snow skiing in season, all within a two-hour drive of the hotel. The rugged and beautiful Oregon coast is said to rival the best that Maine has to offer.

## Hotels Near the Course Location

Please contact individual hotels for latest rate

### Holiday Inn Eugene North

919 Kruse Way  
Springfield, OR 97477

Tel: 541.284.0707  
Fax: 541.284.4498

Restaurant in hotel  
Free shuttle to Eugene airport

### Holiday Inn Express and Suites Springfield I-5

3480 Hutton Street  
Springfield, OR 97477-1075

Tel: 541.746.8471  
Fax: 541.747.1541

No restaurant in hotel  
Shuttle service to Eugene airport: \$20 charge

### Courtyard by Marriott Eugene Springfield

3443 Hutton Street  
Springfield, OR 97477

Tel: 541.726.2121  
Fax: 541.741.7340

Restaurant in hotel  
Free shuttle to Eugene airport

### Comfort Inn and Suites

969 Kruse Way  
Springfield, OR 97477

Tel: 541.746.5359  
Fax: 541.746.2100

No restaurant in hotel  
No shuttle service to Eugene airport

# Directions to Hotels

## Holiday Inn Eugene-Springfield

### Transportation from Eugene Airport (EUG)

- **Distance:** 12 MI / 19.31 KM East to Hotel
- **Complimentary Airport Shuttle**
- **Taxi charge (one way):** \$35.00 (USD)
- **Time by Taxi:** 15 minutes

### Driving Directions:

- 1** Head southwest toward Douglas Drive
- 2** Continue straight onto Douglas Drive
- 3** Slight right at Green Hill Road
- 4** Green Hill Rd turns slightly left and becomes Airport Road
- 5** Turn right at OR-99 S/Pacific Hwy W (signs for State Hwy 99N/Eugene/Springfield)
- 6** Turn right to merge onto OR-569 E toward I-5/Springfield
- 7** Turn right onto Hutton Way
- 8** Turn left onto Kruse Way. Hotel will be in front of you.

## Holiday Inn Express Eugene-Springfield

### Transportation from Eugene Airport (EUG)

- **Distance:** 12 MI / 19.31 KM South East to Hotel
- **Shuttle charge (one way):** \$20.00 (USD)
- **Taxi charge (one way):** \$30.00 (USD)
- **Time by taxi:** 15 minutes

### Driving Directions:

- 1** Head southwest toward Douglas Drive
- 2** Continue straight onto Douglas Drive
- 3** Slight right at Green Hill Road
- 4** Green Hill Road turns slightly left and becomes Airport Road
- 5** Turn right at OR-99 S/Pacific Hwy W (signs for State Hwy 99N/Eugene/Springfield)
- 6** Turn right to merge onto OR-569 E toward I-5 Springfield
- 7** Turn right onto Hutton Street. Hotel will be on the right.

## Courtyard by Marriott

### Transportation from Eugene Airport (EUG)

- **Phone:** 541.682.5430
- **Hotel direction:** 11 miles W
- **Courtesy phone available**
- **Alternate transportation:** Omni Shuttle; fee: \$22.50 USD (one way); on request
- **Airport shuttle service:** Reservation required, complimentary
- **Estimated Taxi charge (one way):** \$17.00 (USD)
- **Bus service fee:** \$1.50 USD (one way)

### Driving Directions:

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## Comfort Inn and Suites

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## Class Schedule

	<b>Morning</b>	<b>Afternoon</b>
<b>Day 1</b>	<p style="text-align: center;"><b>GPR 101</b></p> <p>An introduction to GPR method and theory as well as examples of GPR application. Topics covered include: how to read a GPR record, target ID, a discussion of survey practices, factors affecting GPR signal penetration and effectiveness, and more.</p>	<p style="text-align: center;"><b>Simple Locating</b></p> <p>Hands on locating of targets in real time and marking them on the survey surface. How to use radar to clear a location for cutting and coring, cross-polarizing the antenna for enhanced target identification.</p>
<b>Day 2</b>	<p style="text-align: center;"><b>Simple Locating Review</b></p> <p>A review of the previous afternoon's learned skills.</p> <p style="text-align: center;"><b>Advanced Target Recognition</b></p> <p>Using GPR to tell the difference between metal and air-filled PVC. Noting voids, and back of the slab. Calibrating for accurate target depth estimation.</p>	<p style="text-align: center;"><b>StructureScan Pad Data Collection and Processing</b></p> <p>Using the StructureScan pad to collect data over a 2X2 foot area. Processing and analysis of pad data to create a 3D image.</p> <p style="text-align: center;"><b>Intro to 3D Imaging</b></p> <p>Using 3D QuickDraw to create 3D data presentations and to answer specific questions.</p>
<b>Day 3</b>	<p style="text-align: center;"><b>Large-Area 3D Collection and Processing w/o the Pad</b></p> <p>Collect and process data from areas that it is impractical to collect with the scan pad.</p>	<b>Review</b>