SHORT COURSE ANNOUNCEMENT

Course Title

GPS (Global Position Systems) I: _Introduction to Real Time Kinematic Surveying_

Description

This is a beginner’s class on how to use GPS equipment for mapping and surveying. Students will receive "hands-on" training on a Trimble 5700 GPS Total Station. The class will consist of 2 classroom sessions: Tuesday morning and Thursday morning; and a field training session. The class will be divided into 3 groups for field training to allow hands-on experience with use of GPS equipment.

What is GPS?

GPS stands for “Global Position System.” GPS equipment communicates with satellites to determine locations with great precision. Thus, locations can be quickly and accurately mapped. GPS data then can be used by mapping software such as CAD and GIS.

Who should attend this class?

Anyone interested in learning more about GPS equipment and mapping. Prior experience with GPS or surveying equipment is not necessary.

Course Syllabus:

- Understanding basic GPS principles and fundamentals
- Understanding the RTK system and requirements for real-time kinematic surveying (survey grade – centimeter precision)
- General equipment guidelines
- Setup, configuring, and operating the Trimble 5700 total station for RTK surveying
- Field data collection procedures and office data processing