Field Methods for Geospatial Science I: GPS and GIS tools

Course overview: This 1-credit course aims to help students to master the basic skills for geo-referencing field observations, photos, data and interviews, and incorporating them into reports and thesis as well as web sites for data sharing and communication. Students will learn how to use Global Positioning System (GPS) and mobile Geographical Information System (GIS) tools, to integrate GPS/GIS with digital camera and notebook computer for field trips and site visits. The course is composed of lecture, field trip for data collection (e.g., taking field photos), computer laboratory, and student’s presentation. This course is designed for both undergraduate and graduate students who are interested in using geospatial technology in their study, research and tour. Perspective students could come from different departments, ranging from botany, zoology, geography, engineering, arts, social science, and public health.

Course time: March 23 – May 8, 2009. The class will have one 2-hour section every week.

Class hours: Wednesday 2:00pm – 4:00pm; or to be determined by a poll of student schedule availability through http://www.doodle.com/main.html.

Course Location: NWC 3620

Enrollment number: up to 16 students.

Instructors: Prof. Xiangming Xiao; xiangming.xiao@ou.edu; Department of Botany and Microbiology, and Center for Spatial Analysis. Additional staff and student working for the course include Dr. Chandrashekhar Biradar and Mr. Delong Zhao. http://remotesenising.ou.edu