



Southwestern Indian Polytechnic Institute
Geospatial Information Technology Program
9169 Coors Blvd. NW, Albuquerque, NM 87120
(505) 346-7714

SIPI will be offering several short courses between May and August. Please review the list and RSVP with the course title(s) you are interested in attending. Each course will be M-F 8-5, for one week each. All classes are open to tribal members or tribal employees, but attendees are responsible for their own transportation, housing and meals.

There is a **\$20.00 non-refundable deposit** (*Payable to Board of Regents*), to cover course materials and supplies.

Attached is the registration form, please submit a new **one for each course**.

To receive college credit (3 credit hours/class), you will need to apply to SIPI and become a registered student (there are additional fees for those wanting the college credit, see website) <http://www.sipi.bia.edu/acadprog/admiss/> .

Class size is limited, so register early.

Attached are the registration form and descriptions for each course. Please share this information with your co-workers and anyone else who might benefit

Summer 2007 Short Course Schedule

June 11-15	GIT 202 Remote Sensing
June 25-29	GIT 203 Photogrammetry
July 9-13	GIT 111 Introduction to GIS/GPS
July 16-20	GIT 121 Advanced GIS/GPS
July 23-27	GIT 290 Special Topics: GIS for Hydrology applications
July 30-Aug 3	GIT 201 Applied GIS Theory
Aug 13-17	GIT 290 Special Topics: Fundamentals of GPS





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Students are encouraged to bring a project/problem and corresponding data to work on in class.

GIT 111 Introduction to GIS/GPS Technology

Pre-requisite: Basic computer knowledge

An introduction to the methods and techniques currently used in the applications of Geographical Information Systems (GIS) and Global Positioning Systems (GPS).

GIT 121 Advanced GIS/GPS with Applications

Pre-requisite: GIT 111 Introduction to GIS/GPS Technology

An advanced look at Geographical Information Systems (GIS) and Global Positioning Systems (GPS). This course will review the initial concepts covered in ATE 111 and continue through a complete GIS/GPS project. The students will develop the GIS/GPS project from conception to final presentation.

GIT 201 Principles & Theory of GIS & GPS Applied

Pre-requisite: GIT 121 Advanced GIS/GPS

Principles and Theory of GIS & GPS Applied is a course that is designed to enhance the student's knowledge of hands-on application of GIS principles as well as build upon the principles and theories learned in the previous Introduction and Advanced GIS/GPS classes. Students are encouraged to bring their own data sets and project.

GIT 202 Introduction to Photogrammetry

An introduction to the fundamental principles of photogrammetry, with specialized applications in new technologies, and Geographic Information Systems (GIS).

GIT 203 Remote Sensing and Digital Image Processing

An introduction to the fundamental principles of remote sensing, with specialized applications in new technologies, and Geographic Information Systems (GIS).

GIT 290 Special Topics in Geospatial Technologies
GPS Fundamentals

This course will guide students in the understanding and use of GPS equipment and data. Students will utilize GPS units ranging from "sport" grade to "survey" grade, and will learn which type of unit is most appropriate for different GIS applications. Students will field test the variety of GPS units, and then learn the basics of merging GPS collected data into a GIS platform.

GIS Hydrology Applications

This course reviews basic hydrologic concepts and how to apply them using a GIS. Working with ArcGIS 9 software, participants learn how to find data in the National Hydrologic data sets, examine groundwater depths, define a stream network and delineate watersheds, and build a spatial database for hydrologic analysis. Participants also learn how to apply GIS to environmental study. Participants should be familiar with ArcGIS software.





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2007 Geospatial Short Course Registration Form

Mail this form and your registration fee (payable to: **Board of Regents**) to:

Denise Chavez
9169 Coors Blvd. NW
Albuquerque, NM 87120

Name: _____
First Last

Tribe: _____

Agency: _____

Address: _____

City State Zip

Contact Number: (____) _____ - _____ work, office, or cell (circle one)

Fax Number: (____) _____ - _____

E-mail Address: _____

Course Selection: _____

(Each course requires its own form)

