



2018 GIT SUMMER SHORT COURSE SCHEDULE

SIPI will be offering several short courses May, June, and July, 2018.

Classes will be held 8 AM – 5 PM daily (Monday-Friday)

The last day to register for classes is **May 4, 2018** (non-credit)

All classes are open to tribal members or tribal employees, or those whom a tribe requests to be trained; *supervisor approval is required*. Attendees are responsible for their own transportation, housing and meals. There is no charge for the class unless taking the class for credit. **Credit seeking students please see page 4.**

Dates	Course	Instructor
May 14-18	GIT 101: Digital Cartography	Patrick Kozak
May 21-25	GIT 111: Introduction to GIS & GPS Technology	Scott Andreasen
June 4-8	GIT 121: Advanced GIS/GPS Technology	Raul Campos-Marquetti
June 11-15	GIT 202: Photogrammetry & Mapping	Clyde Hubbard
June 25-29	GIT 203: Remote Sensing	Raul Campos-Marquetti
July 9-13	GIT 201: Principles & Theory of GIS/GPS Applied	Patrick Kozak
July 23-27	GIT 290: Special Topics:	Dennis Dye

Attached are the registration form and descriptions for each course. Last day to register for courses is **May 4, 2018**. Please share this information with your co-workers and anyone else who might benefit.

Attached is the registration form (page 3). Please submit one registration form. Please fill the form out by typing in the information or printing legibly.

Class size is limited, so register early!

Please be advised that when you register for classes via fax or email you will receive an email confirmation stating if you are registered for classes or on a waiting list. If you do NOT receive the email confirmation within a week of sending please contact us ASAP. Dorothy Wester at 505-346-7731 or dorothy.wester@bie.edu



Southwestern Indian Polytechnic Institute
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GIT 101: Digital Cartography – May 14-18, 2018

Pre-requisites: ENGL 100

The course provides the students with a vocabulary and comprehensive understanding of basic and fundamental mapping principles: design, projections, scales, thematic compilation, composition, symbolization, and computer production.

GIT 111: Introduction to GIS/GPS Technology - May 21-25, 2018

Pre-requisite: Basic computer knowledge

This course is designed to introduce students to the fundamental concepts and applications of Geographic Information Systems (GIS). It covers the structure and function of GIS, cartography, and supporting disciplines such as Global Positioning System (GPS). The basic GIS concepts such as map characteristics and projections, spatial data models, relational databases, and spatial analysis with emphasis on the nature and source of geographic data and the issues of data input, data quality and metadata will be covered.

GIT 121: Advanced GIS/GPS Technology – June 4-8, 2018

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

An advanced look at Geographical Information Systems and Global Positioning Systems. This course will review the initial concepts covered in GIT 111 and continue through a GIS GPS project.

GIT 202: Photogrammetry and Mapping - June 11-15, 2018

Pre-requisite: GIT 121, Advanced GIS/GPS with Applications

This course is an introduction to the fundamental principles of photogrammetry and remote sensing, with specialized applications in new technologies and Geographic Information Systems (GIS).

GIT 203: Remote Sensing – June 25-29, 2018

Pre-requisite: GIT 121, Advanced GIS/GPS with Applications

This course will provide students with the understanding of every day observation via human senses and their use when dealing with machine/instrument sensors. Emphasis will be placed on digital imagery interpretation, with an initial detour to analog (aerial photography) imagery interpretation. These elements will be exemplified with both aerial photographs and digital images, how they are acquired, analyzed and eventually converted into management elements (reports, tables, maps, images)

GIT 201: Principles and Theory of GIS/GPS Applied – July 9-13, 2018

Pre-requisite: GIT 121, Advanced GIS/GPS with Applications

Applied GIS is a course that is designed to introduce the student to hands-on application of GIS principles. The class is designed to enhance GIS skills learned in the previous Introduction and Advanced GIS/GPS classes. Students are encouraged to bring data and GIS/GPS problems from work settings for solving in class. This is a hands-on project oriented course.

GIT 290: Special Topics: Remote Sensing Technologies for Land Resource Mgmt - July 23-27, 2018

Pre-requisite: Basic GIS Knowledge

Remote sensing is an essential source of data and information to support natural resource management and Earth system science. This course addresses recent advancements in remote sensing technologies and their applications to landscape monitoring, mapping and analysis. The course consists of lectures and guest presentations, laboratory- and field-based demonstrations, and laboratory activities involving image processing, data analysis, and creation of geospatial information products relevant to land management issues in the Southwest and beyond.

Notes: 1) pre-requisites waived for non-credit seeking students, 2) students are encouraged to bring a project/problem and corresponding data to work with.



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2018 GIT Short Course Registration Form (non-credit)

Send Registration Form to: Dorothy Wester, ATE Department Chair
 Email: dorothy.wester@bie.edu OR Fax : (505) 346-7733

Name (First, Last) :	
Title :	
Tribe :	
Agency :	
Street Address:	
City/State/Zip :	
Contact (Work) :	
Contact (Cell) :	
Email Address:	(please print legibly so we can reply with confirmation)

Course Selection: Check the courses you would like to attend.

- GIT 101: Digital Cartography, May 14-18, 2018
- GIT 111: Intro to GIS/GPS Technology, May 21-25, 2018
- GIT 121: Advanced GIS/GPS Technology, June 4-8, 2018
- GIT 202: Photogrammetry & Mapping, June 11-15, 2018
- GIT 203: Remote Sensing, June 25-29, 2018
- GIT 201: Principles & Theory of GIS/GPA Applied, July 9-13, 2018
- GIT 290: Special Topics in GIT: July 23-27, 2018

Supervisor Approval

Supervisor Approval:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Supervisor Name:	
Supervisor Title:	
Contact Number:	
Email Address:	
Supervisor Signature:	



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SIPI Enrollment Information for Course Credit, Application deadline is April 13, 2018

Attendees may wish to enroll as SIPI students in order to take the GIT Summer Short Courses for credit. Some of the possible benefits of taking the courses for credit are:

- GIT courses taken for credit count towards GISP certification
- GIT courses taken for credit count towards the SIPI GIT Certificate
- Full-time students are eligible for room and board
- Part-time students are eligible for board

Some basic information about enrolling as a SIPI student:

1. Prospective students must enroll as SIPI students before the new and readmit student application deadline on **April 13, 2018**. Students are urged to apply for admission as soon as possible.
2. General admission requirements are:
 - a. Verification of U.S. federal tribal membership from a BIA agency or tribal census office
 - b. One-quarter, or more, blood quantum of a federally recognized tribe(s), verified by either a BIA agency or tribal census office
3. Documents needed for enrollment:
 - a. Admission application (available at www.sipi.edu/admiss)
 - b. Verification of tribal affiliation
 - c. Official high school transcript, with a graduation date
 - d. Transfer student must provide official college transcripts from all college attended
 - e. Health physical due within 30 days after instruction begins
 - f. Immunization record within 30 days after instruction begins
 - g. DD0214 for if claiming veteran status
4. Student fee schedule
 - a. Lodge full-time students (with meals): \$590.00
 - b. Commuter full-time student (with meals): \$365.00
 - c. Commuter full-time student (no meals): \$265.00
 - d. Commuter part-time student (with meals): \$290.00
 - e. Commuter part-time student (no meals): \$190.00

For more information about enrolling as a student at SIPI please call the Admissions office at (505) 346-2338 or 1-800-586-7474. The application packet is also available on the SIPI website at www.sipi.edu/admiss.