



## INSTRUCTIONAL PACKAGE

FOR 106

Computer Applications in Natural Resource  
Professions

Effective Term  
Spring 2019

# INSTRUCTIONAL PACKAGE

## PART I: COURSE INFORMATION

Effective Term: Spring 2019

COURSE PREFIX: FOR 106

COURSE TITLE: Computer Applications in Natural Resource Professions

CONTACT HOURS: 2.0 Lecture, 3.0 Lab

CREDIT HOURS: 3.0

### **RATIONALE FOR THE COURSE:**

Natural resource professionals are required to be proficient in numerous computer applications. Students in this course will gain knowledge of Microsoft Word, Microsoft Excel and Microsoft PowerPoint, in addition to ArcGIS and a variety of mobile data collection devices. Through this course, students will be able to do the following: communicate effectively and professionally utilizing Microsoft Word, create and manipulate large Excel files, create and enhance PowerPoint presentations, work within ArcGIS to create a map, import data and manipulate data, and collect data utilizing GPS, iPad and other mobile devices.

### **COURSE DESCRIPTION:**

This course is a study of basic computer applications that are used in natural resource professions. Topics include word processing, spreadsheets, and constructing aesthetic graphs, diagrams, maps and other visual material.

### **PREREQUISITES/CO-REQUISITES:**

Online/Hybrid: students MUST complete the DLI Online Student Orientation prior to completing an online course. The DLI Online Student Orientation can be found in WaveNet, under the My Student tab.

### **REQUIRED MATERIALS:**

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

[BOOKSTORE](#).

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

### **ADDITIONAL REQUIREMENTS:**

Students must bring a flashdrive to class every day. Students must have online access to MindTap.

### **TECHNICAL REQUIREMENTS:**

Access to Desire2Learn (D2L), HGTC's student portal for course materials.  
WaveNet and D2L email access.

## STUDENT IDENTIFICATION VERIFICATION

Students enrolled in online courses will be required to participate in a minimum of one (1) proctored assignment and/or one (1) virtual event to support student identification verification. Please refer to your Instructor Information Sheet for information regarding this requirement.

## CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate.

## Part II: Student Learning Outcomes

### COURSE LEARNING OUTCOMES and ASSESSMENTS\*:

#### Module #1

**Materials Covered:** Microsoft Word, Cengage Modules 1-3  
Microsoft Outlook

**\*Assessment(s):** Class Participation, Labs, Unit Test

#### **Learning Outcomes:**

1. Create a research paper with both references and sources.
2. Write a business letter using letterhead, inserting a table, and signing appropriately.
3. Construct a professional email utilizing a signature.

#### Module #2

**Materials Covered:** Introduction to ArcGIS

**\*Assessment(s):** Class Participation, Labs, Unit Test

#### **Learning Outcomes:**

1. Create a map document (.mxd) and add imagery and shapefiles.
2. Import data from Excel and a GPS unit into ArcMap.
3. Edit data within a GIS.
4. Change the projection of a dataset.
5. Create and edit a map.

**Module #3**

**Materials Covered:** Mobile Devices

**\*Assessment(s):** Class Participation, Labs

**Learning Outcomes:**

1. Collect data points/lines utilizing a GPS unit, iPad, cell phone and data collector.
2. Utilize various apps for data collection.
3. Import data from mobile devices into a GIS.
4. Observe data collection from a drone.

**Module #4**

**Materials Covered:** Microsoft PowerPoint, Cengage Modules 1,2,7

**\*Assessment(s):** Class Participation, Labs, Unit Test

**Learning Outcomes:**

1. Create and edit a PowerPoint presentation.
2. Enhance a presentation with pictures, charts, shapes and word art.
3. Create a self-running presentation with animations.

**Module #5**

**Materials Covered:** Microsoft Excel, Cengage Modules 1-3, 5-10

**\*Assessment(s):** Class Participation, Labs, Unit Test

**Learning Outcomes:**

1. Create a worksheet and chart in Excel.
2. Format a worksheet and create formulas and functions within a worksheet.
3. Work within large worksheets and work with a large workbook with multiple sheets.
4. Create, sort and query a table.
5. Create a template, work with pivot tables, audit formulas and perform data analysis.

***\*Students – please refer to the Instructor’s Course Information sheet for specific information on assessments and due dates.***

## Part III: Grading and Assessment

### EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS\*

Students' performance will be assessed and the weight associated with the various measures/artifacts are listed below.

#### EVALUATION\*

Tests	40%
Labs	30%
Class Participation	20%
Final Exam	10%
	<hr/>
	100%

***\*Students, for the specific number and type of evaluations, please refer to the Instructor's Course Information Sheet.***

#### GRADING SYSTEM:

State the College's or departmental grading system as delineated in the Catalog. Please note the College adheres to a 10 point grading scale A = 100 – 90, B = 89- 80, C = 79 – 70, D = 69 – 60, F = 59 and below. You must have your Dean's approval if changes in the scale are made.

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the academic calendar for deadlines for add/drop ([ACADEMIC CALENDAR](#)). You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

## Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of eighty percent (80%) of his or her classes in order to be eligible to receive credit for any course. However, due to the varied nature of courses taught at the College, a more rigid attendance policy may be required by individual instructors. At a minimum, a student may be withdrawn from a course(s) after he or she has been absent in excess of ten percent (10%) of the total contact hours for a course. **Instructors define absentee limits for their class at the beginning of each term; please refer to the Instructor Course Information Sheet.**

**For online and hybrid courses**, check your Instructor's Course Information Sheet for any required on-site meeting times. Please note, instructors may require tests to be taken at approved testing sites, if you use a testing center other than those provided by HGTC, the center may charge a fee for its services.

## Part V: Student Resources

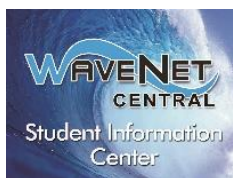


### The Student Success and Tutoring Center (SSTC)

The SSTC offers to all students the following **free** resources:

1. **Academic coaches** for most subject areas, **Writing Center Support**, and **college success skills**.
2. **On-line student success and academic support resources**.

Visit the SSTC website: [Student Success & Tutoring Center](#) and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455. Room locations and Live Chat is available on the SSTC website.



### Student Information Center: WaveNet Central (WNC)

WNC offers to all students the following **free** resources:

1. **Getting around HGTC**: General information and guidance for enrollment!
2. Use the [Online Resource Center \(ORC\)](#) for COMPASS support, technology education, and online tools.
3. **Drop-in technology support or scheduled training** in the Center or in class.
4. **In-person workshops, online tutorials and more services** are available.

Visit the WNC website: [Wavenet Central](#). Live Chat and Center locations are posted on the website. Or please call one of the following locations: WNC Conway, 349-5182; WNC Grand Strand, 477-2076; and WNC Georgetown, 520-1473.

**Student Testing:** (If course is offered in multiple format include this section, delete if only F2F sections are offered.)

Testing in an **online/hybrid** course may be accomplished in a variety of ways:

- Test administered within D2L
- Test administered in writing on paper
- Test administered through Publisher Platforms

Further more tests may have time limits and/or require a proctor.

Proctoring can be accomplished either face-to-face at an approved site or online through RPNOW, our online proctoring service. To find out more about proctoring services, please visit the [Online Testing](#) section of the HGTC's Testing Center webpage.

The **Instructor Information Sheet** will have more details on test requirements for your course.

## Disability Services

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Beth Havens, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

## Statement of Equal Opportunity/Non-Discrimination Statement

Horry Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, gender, national or ethnic origin, age, religion, disability, marital status, veteran status, sexual orientation, gender identity, or pregnancy in educational programs and/or activities.

### ***Title IX Requirements***

Horry Georgetown Technical College prohibits the offenses of domestic violence, dating violence, sexual assault, and stalking. Any student who believe he or she has experienced or witnessed discrimination including sexual harassment, domestic violence, dating violence, sexual assault or stalking is encouraged to report such incidents to one of the College's Title IX Coordinators.

\*Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

<b>Inquiries regarding the non-discrimination policies:</b>	
Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Associate Vice President for Student Affairs.	Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Associate Vice President for Human Resources.
<b>Dr. Melissa Batten, AVP Student Affairs</b> <i>Title IX Coordinator</i>	<b>Jacquelyne Snyder, AVP Human Resources</b> <i>Section 504, Title II, and Title IX Coordinator</i>
Building 1100, Room 107A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5228 <a href="mailto:Melissa.Batten@hgtc.edu">Melissa.Batten@hgtc.edu</a>	Building 200, Room 212A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5212 <a href="mailto:Jacquelyne.Snyder@hgtc.edu">Jacquelyne.Snyder@hgtc.edu</a>