



INSTRUCTIONAL PACKAGE

IST 192

Linux Network Applications

Summer 2018

INSTRUCTIONAL PACKAGE

PART I: COURSE INFORMATION

Effective Term: SUMMER 2018

COURSE PREFIX: IST 192

COURSE TITLE: Linux Network Applications

CONTACT HOURS:5

CREDIT HOURS: 3

RATIONALE FOR THE COURSE:

Upon successful completion of this course, the student will have a fundamental knowledge of the required hardware, software, and processes, required to establish and maintain Apache, MySQL, PHP, and networking services on the Internet. He/she will also develop a knowledge base for prescribing or selecting appropriate operating systems, applications, and protocols for a client/server computing environment.

COURSE DESCRIPTION:

This course will provide students with the skills necessary to deploy and administer the core networking services in a LINUX system, such as Apache Web Server, Samba File Server, BIND Domain Name Service, NFS, and others.

PREREQUISITES/CO-REQUISITES:

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***Online/Hybrid** courses require students to 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:

Cisco Netacad Access Code.

Cisco Access Codes are available through the CPT department. The cost is 39.95. Obtain instructions and a payment form from the instructions.

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.

To ensure a positive learning environment for all students, the Department follows the Code of Conduct as outlined in the College Catalog. In accordance with the Code, the Department expects students to:

Show respect for others. (Give complete attention and listen while others are talking, avoid arguing with instructors and classmates, avoid confrontation with others during classroom discussions, respect the opinions of others, keep conversations and questions focused on relevant course issues, avoid threatening behavior toward students and professors, use appropriate language, turn off electronic devices such as cell phones and pagers while in class.)

Engage in classroom activities. (Avoid sleeping, actively participate, avoid doing personal work or other class assignments, and exhibit a positive attitude and interest in the class, use personal computers for note taking only.)

Exhibit respect for College property. (Use equipment with care, avoid eating and drinking in classroom where prohibited, keep desk area neat and clean, be in classrooms at the start of class, and stay until class is over.)

Take ownership and responsibility for one's learning. (Complete assignments, be prepared to participate in learning, put forth effort to learn, ask questions, take responsibility for one's own actions, and maintain scholastic honesty.)

Show respect for authority. (Exhibit cooperation with the professor, avoid comments that show disrespect for the professor and their knowledge, select appropriate times to inquire about academic performance which may be outside the classroom, complete assignments on time and as directed by professor, address professors as Professor, Mr., or Mrs.—not by his/her first or last name.)

Suggested Text for **online/hybrid** course, delete section if you don't plan to use:

NETIQUETTE: is the term commonly used to refer to conventions adopted by Internet users on the web, mailing lists, public forums, and in live chat focused on online communications etiquette. For more information regarding Netiquette expectations for distance learning courses, please visit: [Online Netiquette](#).

Part II: Student Learning Outcomes

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

List Assessments and Learning Outcomes for each module.

- Configuration of an ssh login.
- Installation and configuration of the Apache Web Server software.
- Install Apache web server add-ons and services
- Directives and settings of configuration files.
- Maintenance and Monitoring of Web Servers through configuration files.
- Developing and Utilization of web server scripts for applications.

- Installation and Configuration of an FTP services.
- Configuration and use of the Samba utility.
- Server administration utilities

****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 OF REQUIRED COURSE ASSIGNMENTS

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

EVALUATION:

Assignments (Netacad Chap Exams)	20%
Server Projects Services	30%
Test 3 (Objective and Hands On)	30%
Final Project	<u>20%</u>
	100%

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

GRADING SYSTEM:

In keeping with the grading policy of Horry-Georgetown Technical College, grades will be assigned in the following manner:

A	90-100	B	80 - 89	C	70 - 79	D	60 - 69	F
	Below 60							

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 July 10 (see [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

A student at Horry-Georgetown Technical College is responsible for all course work and all assignments made in each class. Therefore, he/she is expected to attend regularly and promptly each class meeting in which he/she is enrolled. Students should limit absences to those that are unavoidable. An absence is defined as nonattendance for any reason, including illness, emergency, or official leave. Due to the nature of the classes taught and the difficulty in making up missed assignments, the Department strongly encourages all students to attend every class.

The Department maintains a general attendance policy requiring students to be present for a minimum of 90% of classes.

MAKE-UP TEST POLICY:
Students are responsible for the timely makeup of all assignments missed while absent. Only one test per semester may be made up if the reason for doing so is valid and if the following procedures are followed:

1. The professor or office is called before the test period.
2. A suitable time has been arranged with the professor to make up the test. (The makeup test will probably be a different test from that taken on the originally assigned date).

A makeup test will be allowed only for justifiable reasons and will be done only if the professor deems the reason to be acceptable. Students are allowed to make up one test per semester, without the approval of the department chair.

Students are required to be present in order to receive credit. For classes meeting three (3) days per week, five (5) absences are allowed. For a class meeting twice a week, three (3) absences are allowed. Absences are counted from the first day of class. Students are responsible for all work missed. Students exceeding the absence limit will be withdrawn from the course with a grade of "W" or "WF," depending on the grade average at the time of withdrawal.

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 Jocelyn Williams, 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).

Inquiries regarding the non-discrimination policies:	
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.
Dr. Melissa Batten, AVP Student Affairs <i>Title IX Coordinator</i> Building 1100, Room 107A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5228 Melissa.Batten@hgtc.edu	Jacquelyne Snyder, AVP Human Resources <i>Section 504, Title II, and Title IX Coordinator</i> Building 200, Room 212A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5212 Jacquelyne.Snyder@hgtc.edu