NETWORK ADMINISTRATION
CSC 355 – 001
SPRING 2019

INSTRUCTOR: Dr. Dae Glendowne
            Department: Computer Science
            Email: glendowndj@sfasu.edu
            Office: STEM 312k
            Department Phone: 468-2508

PREREQUISITE: Must have a C or better in CSC 353

COURSE INFO: Semester: Spring 2019
              Credit Hours: 3
              Meeting time: MW 1:00 pm - 2:15 pm
              Location: STEM 318

OFFICE HOURS: MW 10:00am – 10:30am
               TTh 9:30am – 1:00pm
               Other times by appointment.

COURSE DESCRIPTION: The configuration, installation and maintenance of a computer using a current operating system in a networked environment. Emphasis will be placed on resource management, performance and security. May not be used to satisfy computer science requirements for a major or minor in computer science or computer information systems.

PURPOSE: To acquaint the student with operating system administration through the assignment of a variety of problems requiring system design, development and implementation.


PDF is available on http://linuxcommand.org/tlcl.php.

Raspberry Pi 3

EVALUATION:                      
Exam 1                          20%
Exam 2                          20%
Final Exam                      25%
Quizzes                         10%
Assignments                     25%
EXAMINATIONS: All exams are comprehensive. There will be two in-class exams and a final exam.

Final Exam: Wednesday, May 15, 2019 1:00 pm – 3:00 pm

There are no exemptions for the final examination and no changes in taking the final examination. All students must take the final exam. A zero on the final exam will result in an F in the course. If the final examination time is a problem, you need to drop this course.

All class examinations are considered to be a major part of the course work upon which a large part of the course grade depends. There are NO make-up exams! Class examinations will be announced at least two classes prior to the examination. If you have a conflict with another university event, you must contact me well in advance of the examination. In case of an extreme emergency, contact me before the scheduled examination. Failure to do so may result in an examination grade of zero.

Once the first person has left the room on the day of an examination, no one else will be permitted to begin the exam.

Possession of a cell phone or other electronic communication device during an exam will result in an examination grade of zero.

QUizzes: Periodic quizzes will be given.

Assignments: Class assignments (labs, homework assignments) will total 25% of the course grade. Class assignments will be of unequal weight. Some assignments may be required to be completed in class. You may not make up class assignments.

Late Assignments: Any assignment turned in after the due date will receive a 20% penalty per day for up to 3 days. After 3 days, the assignment automatically receives a grade of 0.

In order to pass this course, all assignments must be completed and turned in, and the student must maintain an average of 65% or greater on assignments. Assignments that have already received a 0 for being late are still required to be turned in.

Attendance: Attendance and constructive class participation are expected.

Attendance may be taken into consideration for your final grade. If you come to class, you are expected to be present and awake the entire class period. If you are absent from class, please make sure to get notes from a classmate. There will be no smoking, no chewing of tobacco, no eating or drinking, no bare feet, and no cell phone use during class. Cell phones and other electronic communication devices should be placed on silent. No disruptive behavior including offensive language will be tolerated in a computer science facility or related activity. Such behavior may result in administrative removal from class.
PROGRAM LEARNING OUTCOMES:

Program learning outcomes define the knowledge, skills, and abilities students are expected to demonstrate upon completion of an academic program. These learning outcomes are regularly assessed to determine student learning and to evaluate overall program effectiveness.

- Students majoring in the Department of Computer Science may access program learning outcomes at http://cosm.sfasu.edu/cs/computer-science-outcomes-objectives-graduation-data.
- Students majoring in the College of Business may access program learning outcomes at http://www.sfasu.edu/cob/ug-plo.asp.

CLASS INFORMATION AND POLICIES

Department of Computer Science, STEM 312, 468-2508

Software Policy: Disciplinary action will be taken against individuals who perform unauthorized duplication of software or who are involved in the unauthorized use of duplicated software. Such action may make it impossible for you to successfully complete this course.

Computer Laboratory Usage: Students utilizing equipment in university computing laboratories are expected to read and abide by all posted policies for the laboratories. Please note that no children and no pets are permitted in university computing laboratories.

Drop Policy (Univ.): The official university add/drop policy is located at: http://www.sfasu.edu/policies/course-add-drop_6.10.pdf. If you have questions concerning registration, add/drop or the withdraw process, contact the Registrar at (936) 468-2501 or E-mail: REGISTRAR@SFASU.EDU. The Registrar is located on the 2nd floor of the Rusk building.

Special Accommodation Requests: To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

Students with special accommodation requests have the responsibility to immediately initiate a meeting with the instructor to discuss how the special accommodations will be provided. Students who are aware of these special needs at the beginning of the semester must inform the instructor in person before the twelfth class day about any class activity, which will require special accommodations.

Computer Account Policy: All assignments that require the use of the University Computer must be done under the computer account that is assigned to you in this class. You should NOT do other class assignments in this account, and you should NOT do assignments from this class in other accounts. Failure to abide by the above statements will mean that you will receive a grade of F in this course.

Academic Integrity: Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the
falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one’s own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one’s paper without giving the author due credit. **All instances of academic dishonesty will be reported to Office of the Dean of the student’s major.** This report shall be made part of the student’s record and shall remain on file with the Dean’s office for at least four years. Instances of academic dishonesty may also be reported to the University Committee on Academic Integrity. Please read the complete policy at [http://www.sfasu.edu/policies/4.1-student-academic-dishonesty.pdf](http://www.sfasu.edu/policies/4.1-student-academic-dishonesty.pdf). A student who wishes to appeal decisions related to academic integrity follows procedures outlined in University policy 6.3 ([http://www.sfasu.edu/policies/academic-appeals-by-students-6.3.pdf](http://www.sfasu.edu/policies/academic-appeals-by-students-6.3.pdf)).

If in my judgment an instance of academic dishonesty on an examination has occurred, a grade of zero will be assigned as the examination grade and a minimum of one (1) letter grade will be lost in the course grade. **Possession of a cell phone or other electronic communication device during an exam will result in an examination grade of zero.** A course grade of F may be assigned depending on the situation. A student found cheating on an examination may not drop the course. If in my judgment a student is found cheating on any part of a homework assignment or quiz, the student will receive negative points equal to the value of the entire homework/quiz. A negative grade will not be replaced by any possible bonus assignment. **I consider the person who did the work (homework, quiz, test) and the person copying the work as both cheating.** A recurrence of this by any individual will result in a grade of F in the course. Do your own work! Do **NOT** show your code to other students!!!

**Withheld Grades Semester Grades Policy (A-54)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

**Acceptable Student Behavior**

Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic, or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.
**Semester Schedule (Tentative)**

This schedule is subject to change.

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<td>TCP - Protocol; Wireshark</td>
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<td>DNS - Protocol; Tools; Wireshark</td>
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<td>DNS - Protocol; Tools; Wireshark</td>
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