CSC 435-001 COMPUTER NETWORKING  
Spring 2018  12:30 – 1:45, T/Th, McKibben Rm 131 (McKibben Education Building)  
Dr. David Cook  Office: McKibben 303F  468-2508  cookda@sfasu.edu

CREDIT HOURS:  3  
PREREQUISITES:  CSC 241; CSC 323 or 333 or 341 or 342.  
GRADE REMINDER:  Must have a grade of C or better in each prerequisite course.

CATALOG DESCRIPTION  
Computer communication and networking. Network organization and operation. Network architecture including hardware, software, protocols, and analysis. Example and proposed systems including LANs, WANs, and the Internet. Network applications and interfaces, security and integrity issues.

PURPOSE OF COURSE  
Acquire communication concepts and vocabulary; explore protocol organization, analysis and examples; develop simple distributed programs; review some of the social and economic aspects of networking.

OFFICE HOURS:  
M 9:30-10:00, 11:00-12:00; 12:30-1:00; 2:15-3:15;  
T 11:00-12:00, 1:45-2:45;  
W 9:30-10:00, 11:00-12:00; 2:15-2:45;  
Th 11:00-12:00;  
I am also available by appointment as needed. You should make an appointment to see me outside of office hours, but if my office door is open, you are free to drop in. I do require appointments a day in advance for Fridays – and it must be mutually agreed to.

EDUCATIONAL OBJECTIVES:  
The goal of this course is to have students develop computer communications and networking skills. Success will be evaluated through the completion of laboratory and project assignments, performance on homework problems, and analysis of exam responses. Specific skills include:
1. Demonstrate knowledge of models, standards, and protocols for communication.
2. Develop skills in problem solving involving information (voice/video/data) transfer.
3. Apply queuing systems techniques to network design and performance.
4. Analyze protocol design, analysis, and examples in a layered framework.
5. Analyze data integrity and network security.
6. Recognize communications concepts and vocabulary.
7. Develop simple distributed computing programs.
8. Generalize Internet networking and application development skills.

REQUIRED MATERIALS FOR CSC 435:  
You will want to bring a calculator for tests. You may NOT use a cell phone calculator app on the test.

RECOMMENDED MATERIALS:  
• Also a Java and/or C/C++ programming reference.

EXAMINATIONS: (50% of the course grade)  
Two Examinations (dates will be announced at least two weeks prior to the exam). Each is worth 15% of total grade.  
Final Examination – Comprehensive. Worth 20% of your total grade. Thursday, 10 May, 10:30 – 12:30  
NOTE: Failure to take the final results in an ‘F’ in the class.

ASSIGNMENTS: (40% of the course grade)  
Assignments will consist of homework and programs.  
All assignments must be turned in on D2L – no exceptions.  
There are two major programming assignments, each with multiple submissions.
GRADING POLICY:
My typical grading policy is the standard 90 cutoff for an A, 80 for a B, etc. Grades below 60 will receive an F. I will not raise the cutoffs. I reserve the right to lower the cutoffs by curving the grades – but the 90/80/70/60 cutoffs will never be raised.

EXAMS: (50% of the course grade)
- All examinations are comprehensive and include material not covered in the textbooks.
- There are two tests, each 15% of the course, plus a Final Exam, worth 20%.
- All test dates will be announced at least two weeks in advance.
- There are no exemptions for the final examination. It is 1 – 3 PM Wed, 9 May, \_

ASSIGNMENTS: (40% of the course grade):
- The assignments consist of homework, projects, group assignments, quizzes and in-class exercises.
- Unannounced quizzes will be given. All assignments must be turned in on D2L – no exceptions.

ATTENDANCE AND PARTICIPATION (10% of your grade).
While attendance is not mandatory, participation in the class is. Extremely poor attendance and/or lack of any class participation can result in the lowering of your grade by a letter. Much of the material I teach is not in the book – I expect you to read the book on your own. I expect you to study for each class, and be ready with appropriate questions.

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NOTE:
You may be given assignments due the last five days of the semester (dead week).
Syllabus Addendum, Spring 2018

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. Additional information about program learning outcomes may be found online at the Dept of Computer Science website.

General Student Policies:
Academic Integrity (A-9.1)
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.

Definition of Academic Dishonesty
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. Note that if caught copying programs – the minimum grade you will get on the assignment will be 0 (this includes the originator and the copier). I reserve the right to give a negative grade equal to the total number of points in the assignment. Refer to http://www.sfasu.edu/policies/academic_integrity.asp.

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.

Students with Disabilities
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/.

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.

Electronic Devices:
I encourage the use of electronic devices such as tablets, computers, etc. to facilitate your learning. Most of my slides will be posted on D2L prior to class – you are encouraged to download and bring them with you. Note that computers, tablets, phones, etc. are to be used to support learning in my class – not for social media updating, web browsing, texting, doing homework for other classes, etc. If it becomes obvious that you are not using your electronic devices properly and disrupting the learning of other students, I will ask you to stop. After the second warning, I will ask you to leave the class. Note that all devices must be powered off, placed in a backpack or purse, and may not be used during tests. I have had problems with students using the class computers to browse the internet and to perform tasks not related to the class. If this remains a problem – I will ask that that all classroom computers be powered off and the screens turned facing me.