

**ENGR 526/CMSC 506: Computer Networks and Communications
Spring 2015**

Catalog Description:	ENGR 526/CMSC 506: Computer Networks and Communications Semester course; 3 lecture hours. 3 credits. Prerequisite: CMSC 312 or consent of the instructor. Theoretical and applied analysis of basic data communication systems; design of networks in the framework of the OSI reference model; Local and Wide Area Networks; performance analysis of networks; error control and security. Students will work in teams to design and implement a network project.
Instructor	Dr. Xubin He Office Rm-218. Phone 827-7627. Email: xhe2@vcu.edu Web: blackboard.vcu.edu Office Hours: Tuesday/Thursday 1:00-2:00pm. Other hours are available upon request. Special help sessions are available by appointment at other times. Questions can also be mailed electronically and will be answered promptly.
Teaching Assistant	TBA
Course Hours:	Tuesday and Thursday 11:00am—12:15pm Engineering building, West Hall Rm 301.
Required Text:	<i>Computer Networking: A Top-Down Approach</i> , by James Kurose and Keith Ross, ISBN-10: 0132856204 • ISBN-13: 9780132856201, Addison-Wesley, 6/e, 2012/2013
References:	<i>Computer Networks: A Systems Approach</i> , 4/e, by Larry Peterson and Bruce Davie, ISBN: 0-12-370548-7, Morgan Kaufmann Publishers, 2007 Research papers; Internet.
Grading:	Grades will be assigned on the following scale: <ul style="list-style-type: none">• 90++: A• 80-89.99: B• 70-79.99: C• 60-69.99: D• Below 60: F The course grade will be determined based on homework (25%), quizzes (15%), midterm exam (15%), final exam (30%), and project (15%).
Attendance:	It is expected that students will attend all classes unless otherwise arranged. Part of your grade depends on in-class work (such as popup quizzes) which CANNOT be made up. It is your responsibility to learn any missed material. You are also expected to be present at the specified class time; tardiness disturbs everyone.
Homework:	The homework in the class is intended to give the students practice and understand the topics in computer network and communication. Students may work together for the purpose of <i>learning</i> . However, it is NOT permissible to

copy another's homework or designs in any forms, including textbooks and Internet. Homework will be collected **at the beginning of the lecture period** on the due date. Late homework, without the instructor's permission, **will not** be accepted. Homework that is not neat and legible will be returned ungraded.

Project A design and implementation project will be assigned before midterm and **due near the end of the semester.**

Exams There will be a midterm exam and a comprehensive final exam for this course. Basic calculators (without communication functions, no smart phones, no i-devices (iphones, iPads...)) will be allowed. Other reference material may be permitted at the discretion of the instructor. All exams are considered pledged.

ADA Statement: Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 require Virginia Commonwealth University to provide academic adjustments or accommodations for students with documented disabilities. Students seeking academic adjustments or accommodations must self-identify with the Coordinator for Services for Students with Disabilities on the appropriate campus. After meeting with the Coordinator, students are encouraged to meet with their instructors to discuss their needs, and, if applicable, any lab safety concerns related to their disabilities. ADA Coordinator, 901 W Franklin Street, Room 114 Phone: 804 828 1347; TTY (804) 828 1420.

Religious Observances: http://www.pubapps.vcu.edu/bulletins/archives/200607_UB/academic.pdf

It is the policy of VCU to accord students, on an individual basis, the opportunity to observe their traditional religious holidays. Students wishing to observe a religious holiday of special importance must provide advance written notification to each instructor by the end of the second week of classes. On these dates, instructors are encouraged to avoid scheduling one-time only activities that cannot be replicated. Through such strategies as providing alternative assignments or examinations, granting permission for audio or video recordings or the use of the Internet, faculty members are expected to make reasonable academic accommodations for students who are absent because of religious observance.

The University Honor System: <http://www.students.vcu.edu/judicialaffairs/>

The Office of Judicial Affairs and Academic Integrity supports the educational mission of the university by educating students about appropriate behavior and fostering a community supporting academic success. The office takes the lead in enforcement of university policies, as outlined in the Virginia Commonwealth University Rules & Procedures and the VCU Honor System. The Office of Judicial Affairs and Academic Integrity works in conjunction with university offices to also administer the policies for residence halls, off-campus student conduct, the VCU Alcohol and Drug Policy, the Student Sexual Misconduct Policy and the Computer and Network.