CS4122 Data Communications & Computer Networks II, Section A

Semest er Class Room Pr er equisit e Cour se Obj ect ive	Spring 209 TBD CS4121 This course aims at synchronizing students with several need areas in data communications and computer networks, including Ethernet and CSMA/CD protocoffDDI and timely token passing, ATM and leakybucketcell admission control, wireless/mobile networks and mobility management principles, multimedia networking and/ideo streaming, network security and data cryptography, etcStudents are exposed to the underlying theory, algorithms, and protocols <i>itetails</i> , sometimes down to the bit level. Networking related problem analysisCP/IP and UDP/IP socket programming Java presentations (on some generalics of networking) are the three major components in this class.	
Learning Out comes		
-	On successful completion of this course, the student sloguable to	
	 Describe the fundamentplinciplesand coremechanisms in advancedareas like Ethernel, DDI, ATM, wireless networking, multimedia networking, network security, etc 	

- Apply such principles in analyzing real/orld protocols rigorously, even some of which may not familiar.
- 3. Accomplish clientserver projects sing TCP/IP and UDP/IP sockets in Java. Beyond basic socket programming, they are also fluent in coding messafgeming (encoding) an¢arsing (decoding), multithreaded server, and thread pooling.
- 4. Communicate networking ideas using correct representiation both written and oral forms.

I nst r uct orDr. Zhiguang XuOf f ice2159,Nevins HallOf f ice HoursTBDPhone229-333-5783Wt hr e22 VT ETB/ FisnIT EMChr e2254 Tmed

Text book(s)Computer Networking, A Top-Down Approach featuring theInternet, 2nd edition (Required)By James F. Kurose, and Keith W. RossPublisher: AddisorWesley

Grading scale:

Final Grade	Credit
A	90-100 (including 90)
В	80-89 (including 80)
С	70-79 (including 70)
D	60-69 (including 60)
F	0-59

Course Policy rules	For the sake of course efficiency, please observe the following
	Late assignment will NOT be accepted. You must turn in assignments at the beginning of the class on the due date.
	Absolutely <u>No Cheatin</u> on tests and/or final exam.d a n result in total dismissal from VSU.
Attendance and A	Absence
	You are expected for every scheduled class meeting (be on time and stay for the full class period).
	Try every effort to attend the tests because there is NO make up test.
ADA	Students requiring classroom accommodations or modifications because of a documented disability
	should discuss this need with me at the beginning of the semester. For additional information, please
	contact the Special Service Program in Room 1115 Nerlaits
	The Special Services office may be reached by telephone at 2295-2498.

Important Dates

TBD