

SYLLABUS

Instructor: Bruce R. Millard
Office: SanTan 235K
Phone: 727-1734
Office Hours: see http://ctas.east.asu.edu/millard/officehrs.html

Teaching Assistant: none

Lecture: 8:30 AM – 12:30 PM Peralta 201

Schedule Line Number: 41701/42350

Description: Configuration and installation of networks: addressing, routing, naming, and LAN and MAN services. Network security checking, monitoring and basic forensics.

Prerequisite: CET 383, CET 359 (was CST 459), C language programming.

Overrides: No capacity overrides will be given. The instructor may give prerequisite overrides to qualified students.

Required Text: T. Limoncelli, et al, The Practice of System and Network Administration, 2nd edition, Addison-Wesley, 2007, ISBN 978-0-321-492661
Christopher Negus, Fedora 9 and Red Hat Enterprise Linux Bible, Wiley Publishing Inc.; 2008, ISBN: 978-0470373620

Optional Text: Bill McCarty, Red Hat Linux Firewalls, Wiley Publishing, 2003

Grading: Projects 40, Midterm exam 25, Class participation 5, Final Exam 30 Comprehensive 100

See the class web page or page 3 of the syllabus on grading appeals and cheating for information on those topics.

Course Grade: based on points (absolute, fixed, no curve)
CST 489 vs CST 583 grade scale comparison table

Tentative Schedule

Week	Date	Topics	Project	Reading*
1	July 7	Introduction, addressing	P1&L1 avail,	1, 2, L15,16
	July 9	Addressing cont., Ethernet	P2 avail, P1&L1 due	3, L17,18
2	July 14	Routing tables, ARP, naming	P2 due	4, 13, L23,24,25
	July 16	Planning, DHCP	L2 avail	5, 6, L19,21,ApB
3	July 21	Configuration, BIND	L 2 due, P3 avail	7, 8
	July 23	Midterm Review & Exam	P4 avail	Everything so far
4	July 28	Apache, SSH	P3 due	11, 12, L14
	July 30	Routers and VPN's		
5	Aug 4	Security	P4 due, P5 avail	
	Aug 6	More security, Final Exam	P5 avail	Everything

* Numbers are Chapter and Appendix numbers from the 1st required textbook. The Lxx, reading is from the 2nd required text (Linux administration book). Reading includes any additional class handouts that may appear because of limitations in the text and information necessary for programming projects.

Dates of note:

Course Withdrawal Deadline

July 9, 2009

Complete Withdrawal Deadline

August 6, 2009

No late assignments (homework or project) will be accepted without prior approval from the instructor. No make-up exams will be given without written documentation of illness or prior approval from instructor.

Supplementary Information

ADA Statement

The Americans with Disabilities Act (ADA) is a federal antidiscrimination statute that provides comprehensive civil rights protection for persons with disabilities. One element of this legislation requires that all qualified students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation please contact the Disability Resource Center at ASU Polytechnic located in Student Affairs Quad # 4 or call 480-727-1039 / TTY: 480-727-1009. Eligibility and documentation policies online:

<http://www.asu.edu/studentaffairs/ed/drc/>

Class Cheating Policy

While discussions between students are encouraged, cheating in this course will not be tolerated. Any student found cheating on an exam or assignment may be given a failing grade for the course and flagrant violations can result in additional consequences. You are cheating if you represent someone else's work as your own or if someone else represents your work as his or hers. All graded work (exams, programming assignments, as well as any written exercises or quizzes) in this class must represent your own individual work only. Students may discuss the conceptual aspects of an assignment, but in solving programming and other assignments, students must turn in their own, independently developed solutions. Grading may include executing software on your solutions that compares the structure and content of your solution files with that of other students. Any case of suspected cheating will be referred directly to the College of Technology and Applied Sciences according to established policy. By your registration in this class, you are assumed to have read, understand and agreed to this policy, as well as to the procedures conveyed at the web sites below.

- Studentlife's Student Academic Integrity Policy
http://www.asu.edu/studentaffairs/studentlife/judicial/academic_integrity.htm
- ASU's policy on Academic Dishonesty in the Student Code of Conduct:
<http://www.asu.edu/aad/manuals/sta/sta104-01.html>
- ECET's Academic Integrity Information Page:
<http://www.east.asu.edu/ctas/dcst/Students/cheating.html>

One ramification of this policy is that every student must assure that neither an electronic nor hard copy of their work gets into the hands of another student. You must know how to use access control to protect your files and you may not share a computing system that does not have access control with another student in this class, without taking special steps to ensure privacy of your files. If someone else in the class steals your homework (with or without your knowledge,) then you may both get failing marks for the course.

Class Grading Appeals Policy

Each class assessment/learning tool (i.e., test, quiz, homework or programming assignment) is assigned a relative grade. This grade is converted, using a tool specific multiplier) to form part of the student's overall grade for the class. Occasionally, inadvertent miss grading or misinterpretations of either the tool or grading response may occur. On such occasions, the student must immediately bring the issue to the instructor's attention. In the case of material returned to the student in class the questioned item(s) must be addressed at that time (at the end of the class period) or left with the instructor for later review with the student. Materials submitted electronically will result in an assessment handed out in class or via e-mail on a case-by-case and class-by-class basis. Appeals for results-only assessments may be handled electronically.