

COMP496NSP: Network Security Project
Fall 2005 Syllabus

Contact Information:

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Lectures:

Course	Ticket Number	Days	Time [Begin – End]	Room
COMP496NSP	18928	T	1900 – 2145	JD2215

Prerequisites:

COMP424 or COMP429. Prerequisites for this class (and all other Computer Science classes) are strictly enforced. If you are deficient in a prerequisite for this class you will be required to drop this course.

Course Objectives:

To research and gain practical knowledge of the defense and security of computer networks.

Required Textbooks:

UNIX System Administration Handbook, Evi Nemeth, Garth Snyder, Scott Seebass and Trent R. Hein, ISBN: 0-13-020601-6

Topics:

A non-comprehensive list of topics that is scheduled to be covered this semester includes:

- Windows/Unix installation
- Basic network equipment installation
- DNS architecture and configuration
- HTTP service configuration
- SMTP service configuration
- Database integration in network systems.
- Backup strategies.
- Security implementation for common services
- Firewall/ACL policies and implementations
- Intrusion detection methods

Lectures:

The class is scheduled for three hour lecture Tuesday nights; The first half of this period will be consumed by lecture material. The lectures will consist of a presentation of some practical infrastructure, theory or other material related to Unix Systems Administration or Network Administration. The remainder of the class content is delivered through hands on lab research and experimentation. Students are expected to work in the lab as their schedule permits. It is expected to require on the order of 9 hours of lab work per week to be successful in this course.

Grading Criteria:

unless instructed otherwise, assignments, projects, quizzes and exams will be evaluated and graded individually.

Final grades will be computed according to the weighted average of all assignments, projects and tests as follows:

Participation:	5%
Open Forum Discussions:	5%
Systems/Network administration reports:	10%
Team attack reports:	13%
Team Defense reports:	13%
Phase 1 Individual report:	18%
Phase 2 Individual report:	18%
Phase 3 Individual report:	18%

The grade for attack and defense reports is based on a total point scale between 0 and 450 points. Each intelligent, unique report is worth as many as 10 points.

All reports are to be presented in the “CSUNmemo” format, the details of which are posted on the instructor’s website. All reports are to be submitted as PDF documents attached to an e-mail sent to the the instructor’s email address with a subject beginning with **COMP496NSP REPORT:**.

Final grades will be reported to the Office of Admissions and Records using the “plus/minus” format. Letter grades will be assigned according to the weighted average grade as follows (These limits may be lowered at the discretion of the instructor):

	A: 93	A- 90
B+ 87	B 83	B- 80
C+ 77	C 73	C- 70
D+ 67	D 63	D- 60
	F 0	

Best efforts will be made to return graded materials during the second lecture following the date the materials were due.

Final Exam Schedule:

Grade evaluation for this class does not require a final examination.

Late Assignments, Projects and Tests:

Assignments submitted late will NOT be accepted. no exceptions.

”Make-up” exams and Quizzes will not be given.

Anything slipped under office doors or otherwise not delivered properly will be disposed of and ignored entirely and will receive a grade of 0.

Contesting Grades

Any student who believes that an error was made regarding grading of any Exam, Project, Assignment or Quiz may contest the grade during office hours. Any evidence and arguments must be presented within

7 calendar days following the availability of the graded material in question. Request for a grading correction will subject the entire work for re-evaluation. This may result in an overall lower grade even if the original arguments are valid as any other mistakes, oversights or omissions will also be corrected, possibly to the disadvantage of the student.

Student Evaluations:

At some point, to be determined, during the end of the semester all enrolled students will be given the opportunity to fill out and return an evaluation of the Course and Instructor's abilities and effectiveness. Your evaluation is important. These evaluations help the University tailor programs to better suit your needs and are used to provide the best instructors possible to serve you. These evaluations really do have a strong impact on the department and are the primary tool for the evaluation of the instructors. It is strongly encouraged that you participate in this process and provide your honest opinions.

Add/Drop Policies:

Class size is limited to 28 students per lecture. No students will be added to any lecture unless a seat in that lecture becomes available. Seats can become available by:

- Students voluntarily electing to drop the class.
- Students who are deficient in prerequisites will lose their seats for administrative reasons.
- Students who have their seat given away as outlined in the Initial Absence Policy section.

If you intend to drop the class please notify the instructor so that actions can be taken to fill the seat.

A sign-up sheet is provided for tracking those students who wish to add should seats become available. In the presence of empty seats students will be added with the following priority:

1. Students graduating this semester will be given the highest priority.
2. Regular students in the Computer Science or Computer Engineering department.
3. Regular Students NOT in Computer Science and "PBU" students.
4. Open University Students will be given the lowest priority and will not be considered until the third week of classes.

Procedures and requirements for dropping or withdrawing from the course are dependent on the academic calendar. Students should consult with the Computer Science department personnel to determine the proper procedures for dropping the course if they wish to do so. It is easier and more economical to drop or withdraw from the class the earlier it is attempted.

Initial Absence Policy:

Students who miss the first **AND** second lecture of class without sufficient reason and prior notification to the instructor will have their seats given away if there are students waiting to add the class. Students who lose their seat will be asked to voluntarily drop the class; failure to drop the class will result in a grade of "F" or "U" being reported to the Office of Admission and Records at the end of the semester regardless of continued attendance or performance.

Academic Integrity:

Instances of plagiarism, copying, cheating or any other acts of academic dishonesty will not be tolerated. Soliciting others for assistance with academic dishonesty or facilitating the academic dishonesty of others are in themselves forms of academic dishonesty. Students who are found to have committed such will automatically receive a grade of “F” for the course and will also be prosecuted according to the disciplinary regulations as provided for in the Student Conduct Code. Rules, definitions and procedures concerning academic dishonesty are documented in the Course Catalog under the index heading “Academic Dishonesty”. Do not test this policy; it is not worth it.

Disturbance Policy:

Disruptive or Threatening Behavior during Lecture will not be tolerated. This includes issues of harassment and hazing (which is a violation of the Student Conduct Code.) Anyone attempting to engage in such behavior will be removed from the classroom and may face further disciplinary action as provided for in the Student Conduct Code as stated in Section 41301 of Title 5 of the California Code of Regulations.

Examples of unacceptable conduct include, but are not limited to, the following:

- Inappropriate, disrespectful or uncivil responses to other students.
- Challenging the instructor’s authority.
- Excessive talking.
- Use of personal electronic devices such as pagers or cell phones.
- Improper use of equipment, materials or resources.

The purpose of this University is to provide the highest quality of education possible. All measures will be taken to insure that you are provided with a safe environment that best promotes learning.

Auditing Policy:

In order to best serve the students enrolled in the class it is not permitted to audit the class.

Feedback:

It is very important to your instructor that you receive the highest quality teaching. If at any time you have suggestions as to how the course, subject, instructor or any other aspect of your experience this fall can be improved please let the instructor know by any means your wish.

Seeking Help:

If you find that you are having trouble succeeding in the coursework you should immediately seek help and assistance. Many resources are available and provided to you by the University. These include, but are not limited to:

- Office hours: These periods are provided for you so that you may seek individual help and clarification from the instructor. If you are having trouble and you aren’t going to office hours you are missing out on a very useful resource.
- Other Students: You are not alone at this University. Other students may be able to help you and benefit from you by engaging in study sessions in the library, or at home. Colleagues are an excellent resource because of the shared perspectives and level of abilities. You may not collaborate on assignments or tests but you are encouraged to get together and discuss problematic conceptual areas or discuss sections and topics present in the book in order to increase your understanding of the material being presented in lecture and required for projects and exams.

- WebCT: Students can engage in persistent discussions through the use of the <http://webteach.csun.edu/> message board. Please self register for the course titled "COMP282 Advanced Data Structures Wiegley" You are free to discuss topics on the discussion board but you may not provide significant code examples that would constitute academic dishonesty. If you aren't sure whether or not a code fragment would be permissible to post email the instructor to obtain approval before posting.
- Department Office and Chair. These individuals will know the best course of action for you to take in times of trouble. Especially if your trouble exceeds the scope of class material or are of a personal nature.
- If you are suffering from medical or health problems you should contact one of:
 - Student Health Center. Location: SHC Phone: 818.677.3493 or 818.677.3692(TDD)
 - Center on Disabilities. Location: SU 110 Phone: 818.677.2684
 - University Counseling Services Location: SU 520 Phone: 818.677.2366 or 818.677.7834(TDD)