

# Florida State University Department of Computer Science

## CIS 4407 Undergraduate Systems & Network Administration

### Fall 2006

**Instructor:**

Marion M. Bogdanov, Adjunct Faculty

**Syllabus:** This document comprises the basic outline of the course and sets forth its basic rules and requirements. Each student should read and familiarize himself / herself with its contents and refer to it throughout the semester. A course outline setting forth class assignments and due dates will be maintained on the class homepage and should be considered part of this document.

**Course Objectives:** At the end of this course students should be able to

1. administer a multi-user, multi-platform, networked computer system,
2. install and administer Window Server 2003,
3. install and administer Redhat Fedora 3 Linux, and
4. network these two systems together.

**Prerequisite:** CGS 3406, COP 3014, or other C++ programming course.

**Class Times and Attendance Policy:** The class meets on Tuesdays and Thursdays, 5:15 p.m. - 6:30 p.m. in LOV 016 (the Networking Lab). Attendance is considered mandatory but will not be strictly monitored. Students will be responsible for all material covered in class.

**Textbooks / sources: Required:** Red Hat Fedora Linux 3 Bible by Christopher Negus, John Wiley & Sons; Microsoft Windows Server 2003: Administrator's Pocket Consultant by William R. Stanek. These books will be supplemented by web-based material referred to on the class homepage.

**Student Responsibilities:** Among other things, each student is:

- Responsible for maintaining the security of the Networking Lab. Thus, the door to the lab shall remain closed and locked at all times and no admittance shall be allowed to anyone not taking courses in this classroom this semester.
- Each student shall have his or her FSU ID card enabled to enter the room. To activate your FSU card you must providing your FSU card number and a 4 digit PIN (discussed later)
- Responsible for the safety and security of the hardware entrusted to the student's team.
- No student shall touch any other team's computers or attempt to install any additional hardware, such as memory, from any source. Nor may any hardware or software be removed from the networking lab for any reason. Such acts will be considered stealing. Any student who discover that his or

her assigned hardware has been tampered with should report this to the instructor immediately.

- Forbidden from using assigned computers to break into or disrupt any other computer or do anything commonly understood to be "hacking."
- Responsible for understanding and complying with all intellectual property laws applicable to the performance of work done in the class; in general, this means downloading only materials that are demonstrably free (freeware). No filing sharing software is needed; therefore don't download them.

**Academic Honesty:** As in any class at F.S.U., it is your responsibility to read, understand, and conform to the [Student Honor Code](#) as set forth in the University General Bulletin and the Student Handbook. These standards fully apply to exams, and quizzes. With respect to assignments, which are done in teams, each student is expected to participate in / observe all phases of each system administration task and to personally perform all of the said tasks.

**Grading Policy:** This course will be graded on the traditional 10 point scale (the plus and minus scale will not be used):

<b>A:</b>	<b>90 - 100</b>
<b>B:</b>	<b>80 - 89</b>
<b>C:</b>	<b>70 - 79</b>
<b>D:</b>	<b>60 - 69</b>
<b>F:</b>	<b>00 - 59</b>

**The final grade will be based upon the following:**

**Assignments (50%):** There will be a series of system administration projects and problem solving assignments, which will be solved in teams of three. Each team must submit a journal (details below) detailing the team's experience in completing the task. Journals are due by 6 a.m. on the due date and must be submitted electronically. Journals will not be accepted late without an excused absence. This is a firm policy and will be varied only in exceptional circumstances with prior approval of the instructor. Note: Only through personally working through the various assignments of this course (and other SA tasks) can anyone expect to learn the subject matter. Particular emphasis will be given to enforcing the rule that each team performs their own work on each assignment. Thus, journals will be scrutinized for duplicative work and the instructor will conduct unannounced oral examinations of individual students (or whole teams) concerning the subject matter of completed assignments / journals. Teams not demonstrating sufficient mastery of the subject matter to convince the instructor that they did, in fact, do the work required will be given a zero on that assignment. Repeated failures in this regard may result in an F in the class.

**Team Journals (50% of each assignment):** Class assignments will be performed by teams of students. The applicable rules are as follows: Teams shall consist of three students only. Teams shall work together on all projects and share the work

equally. All students shall perform approximately 1/3 of the work and personally witness all phases of the assignments. Each student will be responsible for knowing the details of the entire assignment. Each student is responsible for writing a personal journal detailing his or her experiences in completing the assignment. The personal journal is not going to be collected, but will be checked throughout the semester. A team journal worth 100 points will be submitted by each team for each assignment. The team journal will contain a statement of objective, a detailed chronological diary of the assignment solution, paying close attention to problems encountered, methods attempted, and solutions discovered. This should be kept as ongoing notes during team work and cleaned up later for submission. Data such as sources of information found, insights gleaned and mistakes made are particularly important. There should be an honest assessment of the percentage of work done on the project by each team member. In addition, any student who feels that all team members are not equally participating is encouraged to bring this matter to the attention of the instructor as early as possible so that a solution can be found. A summary statement of lessons learned and skills gained. Journals must be submitted electronically to marion@admin.fsu.edu with the \*exact\* subject line "journalX" (no quotes, with the X replaced with the assignment number. Send them in the body of the email, not as attachments.

**Team Demonstration (50% of each assignment):** Each team will demo the assignment requirements. The instructor will also perform an assessment where different members of the team may be asked questions about the assignment in question and a point total will be awarded accordingly. The demo will take place during class when the assignment is due and all members must be present in order to receive full credit for the assignment in question.

**Quizzes (15%):** Four 15 minute, 10 question, 50 point quizzes will assess the assignments and lectures covered prior to the assessment and will be conducted at an unannounced time. Quiz make-ups will not be available unless the student has an excused absence. This is a firm policy and will be varied only in exceptional circumstances with prior approval of the instructor.

**Midterm (15%):** At the approximate midpoint of the semester, there will be a cumulative midterm exam covering all materials and projects assigned to that point.

**Final Exam (20%):** There will be a cumulative final exam covering all materials and projects covered during the semester.

**Web site and email:** Information concerning course assignments, grades, meeting places etc. will be communicated via the web and via email. Each student is responsible for assignments posted on the web page and for checking his or her email each day (and thus for information communicated in this manner). Email is also the easiest way to contact the instructor with a question.

**Accommodation of Disabilities:** Students with disabilities needing academic accommodations should: Register with and provide documentation to the Student Disability Resource Center (SDR); Bring a letter to the instructor from the SDR indicating that you need academic accommodations. This should be done within the first week of class. This syllabus and other class materials are available in alternative format upon request.

