

**ITNW 2405 NETWORK ADMINISTRATION FOR NOVELL “NETWARE”  
Fall 2014**

**Instructor:** Dr. Stuart S. Cook

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**Course Description:** Preparation to effectively manage a Novell SUSE Server. Topics include network components, user accounts and groups, network file systems, file system security, and network printing. In addition, Open Enterprise Server will be explored in the second half of the semester.

**Prerequisite:** ITNW 2321 (TCP/IP) or department approval.

**Approved Course Text:** *SUSE Linux Enterprise Server Administration (Course 3112):CLA, LPIC – 1 & Linux+, Novell Authorized Courseware.* By Jason W. Eckert and Novell. Course Technology (2012) -- ISBN-10 1-111-54003-9

**Recommended Reading:** *Novell Open Enterprise Server Administrator’s Handbook SUSE LINUX Edition.* By Mike Latimer and Jeffrey Harris. Pearson Education, Inc (2005). ISBN-10 0-672-32749-X

**Instructional Methodology:** Lecture, discussion, homework, lab. Course is set up on Blackboard

**Course Rational:** Novell has discontinued support for their pioneering OS, Netware. However, the company is alive and well and putting its efforts into its directory (eDirectory) and services that run under Linux. This course will explore the administration of a SUSE LINUX server as a standalone resource and OES, which continues the rich history of Novell as an enterprise resource.

**Exams:** There will be 3 exams as noted on the class schedule.

**Labs:** The lab assignments are an essential part of your learning experience. You cannot hope to learn the software without the hands-on experience. Accordingly, you are expected to be present in class and complete the lab assignments here. You will be given lab completion sheets for every

lab and be expected to turn them in at the conclusion of the lab period. Because life often intrudes on our learning experience and in acknowledgement that various students complete labs at various paces, there is “make-up” lab time built into the schedule.

**Homework:** The instructor reserves the right to make additional assignments as needed.

**Grades Policy:** Final grade will be based 80% on exams and 20% on lab assessment. Students who wish to delve into Open Enterprise Server may substitute a subjective assessment by the professor of their participation in the lecture and labs over OES for the grade on one of the three exams.

**Grade Scale:** A = 90 – 100, B = 80 – 89, C = 70 – 79, D = 60 – 69, F = below 60

#### **Course/Class Policies:**

**Attendance/Withdrawal:** Students are expected to attend classes and will be held responsible for all material covered in class. Regular attendance helps ensure satisfactory progress towards completion of the course. It is the student's responsibility to complete a withdrawal form in the Admissions Office if they wish to withdraw from this class. **The instructor may withdraw students from this class if their absences exceed 10% of the total number of class meetings.** It is not the responsibility of the instructor to withdraw the students from their class even though the instructor has the prerogative to do so under the above listed circumstances.

**Incomplete:** A student may receive a temporary grade of "I" (Incomplete) at the end of the semester only if ALL of the following conditions are satisfied:

- The student is unable to complete the course during the semester due to circumstances beyond their control.
- The student must have earned at least half of the grade points needed for a "C" by the end of the semester.
- The request for the grade must be made in person at the instructor's office and necessary documents completed.
- To remove an "I", the student must completed the course by two weeks before the end of the following semester. Failure to do so will result in the grade automatically reverting to an "F".

**Academic Integrity:** Acts prohibited by the college, for which discipline may be administered, are scholastic dishonesty (including but not limited to cheating on an exam or quiz), plagiarizing, and unauthorized collaboration with another in preparing outside work. Academic work submitted by students shall be the result of their thought, research or

self-expression. Academic work is defined as, but not limited to, tests and quizzes (whether taken electronically or on paper); projects, (either individual or group); classroom presentations, and homework.

**Freedom of Expression:** It is expected that faculty and students will respect the views of others when expressed in classroom discussions.

**Students with Disabilities Policy:** Each ACC campus offers support services for students with documented physical or psychological disabilities. Students with disabilities must request reasonable accommodations through the Office for Students with Disabilities on the campus where they expect to take the majority of their classes. Students are encouraged to do this three weeks before the start of the semester. (Refer to the Current ACC Student Handbook.)

### Course Schedule

Week/Dates	Subject
1 – 08/25, 27	Syllabus, History of Novell and SUSE Section 1 Lecture (SUSE 11 install and Section 1 Labs)
2 -- 9/1, 3	Labor Day Holiday Lab 1 Continued
3 -- 9/8, 10	Section 3 Lecture Section 3 Labs (15 minutes)
4 -- 9/15, 17	Section 4 Lecture and Labs
5 -- 9/22, 24	Section 4 Lecture and Labs (1 hr, 40 minutes)
6 – 9/29, 10/1	Lab Catch-up/Review Test #1 (Sections 3-4)
7 -- 10/6, 8	Section 5 Lecture and Labs (1 hr, 15 minutes)
8 -- 10/13, 15	Section 6 Lecture and Labs (36 minutes)
9 -- 10/20, 22	Lab Catch-up/Review / Test #2 (Sections 5-6)
10 -- 10/27, 29	SUSE 11 + OES Installation OES Initial Configuration, Using iManager
11 -- 11/3, 5	OES: Creating eDirectory tree, eDirectory objects
12 -- 11/10, 12	OES: Allocating Storage, Creating Folder Structure
13 -- 11/17, 19	OES: Creating Groups, Organizational Roles, User Templates OES: Installing Novell Client on Windows 7 VM; Client Login

<b>14 -- 11/24, 25</b>	<b>Lab Catch-Up Day</b> <b>No Class on Wednesday before Thanksgiving</b>
<b>15 -- 12/1, 3</b>	OES: Creating Users from Template OES: User Login Scripts
<b>16 -- 12/8, 10</b>	OES: Printing with iPrint Final Exam: OES