



## Syllabus – Subject To Change with Notice

Semester:	Fall 09
Location:	G08
Sections:	NET 140 - 01 – Tuesday, 9:30 am - 12:00 noon
Instructor:	David Wolfe
Phone:	802-865-6416
Office Location:	Foster 200
Email:	david.wolfe@champlain.edu
Office Hours:	TBD By Appointment

### **Course Description:**

This course provides a comparative study of popular PC-class operating systems and operating environments, including DOS, Windows 9x (95 and 98), Windows NT, Windows 200X, Vista, and Unix/Linux. Students will also understand the strengths and limitations of these operating systems and be able to identify the environments in which they are used. Subject matter is reinforced by hands-on exercises, threaded discussions and assignments. Upon completion of this course, students will be familiar with the interface, file management, system requirements and common administration tasks of each of these operating systems.

### **Course Outline:**

- MS-DOS 6 Command Line
- Features of Microsoft Windows 9x, configuring the interface, file management, working with the registry
- Features of Windows desktop operating systems, startup troubleshooting tips, resource information, partition and file system management
- History and features of Unix/Linux, file management, administrative responsibilities, common commands, scripting, permissions

**Assumed Prior Knowledge/Prerequisites:**

CIS 214 (Advanced Computer Applications-Batch File Programming)  
NET 120 or SWE 135

**Learning Objectives:**

Course participants will be exposed to a wide range of topics pertaining to Operating Systems technology. Students will be provided with the concepts of the functionality of an operating system, and will then be exposed to a variety of the most frequently used operating systems in the business environment. Computer security as it applies to operating systems will be integrated into the content.

Students will learn what components of modern day computing are performed , by the operating system. They will be exposed to the impact of changes in operating systems, GUI's, and hardware.

1. Demonstrate an understanding of operating systems concepts and the role of OS in computing
2. Be familiar with network and information security components of an operating system.
3. Analyze the performance of an operating system and methods of troubleshooting
4. Troubleshoot, maintain, and update an operating system
5. Discuss potential changes and impacts of operating systems and the impact on network communications and security.
6. Effectively communicate technical information regarding operating systems verbally, in writing, and in presentations.
7. Be familiar with the history of operating systems, current trends, major influences, and future possibilities.
8. Compare and contrast different computer operating systems and relationship to applications, system software, hardware, networks, security, and organizations.

**Course Materials:**

Required Textbook: Guide to Operating Systems (Enhanced Edition) by Palmer, Walters, Badgett and Jonker. Course Technologies  
ISBN:1-4188-3719-9

Required Supplies: Three Ring Binder

Required Software: 1. Adobe Acrobat Reader ([www.adobe.com](http://www.adobe.com))  
2. Microsoft Word, MS Word Compatible or RTF compatible Word Processing Application

**Instructional Approach**

This course will consist of lectures, discussions and labs. Instructional policies, course design, and academic competencies are available from the instructor.

**Review Questions**

Each chapter's reading has associated review questions following the chapter reading in the textbook. The review questions are in the form of quizzes.

**Hands-On Projects/Labs**

Labs are taken from the hands-on projects from the course text. You will create a Word/RTF document to present your lab work. These exercises will provide the actual "hands-on" experience in the implementation of the technologies.

Lab documents should be submitted to the appropriate Angel LMS drop-box. You should create a Word or RTF document "writing" up the project. **Screen shots are required and a minimum of one screen shot for each step in the lab instructions is expected.** If there are no specific questions to answer, you should submit a step by step description of what you have done during the assignment. Assignments that are complete and submitted on time will receive 85 points. Student who go beyond the minimum of what is required from the book and create lab documents that would serve as an explanation of the lab to someone who has not taken the lab will have the opportunity for enhanced credit. The skill is to create documents in a help-desk environment that would explain/coach an individual to install, configure or repair a technology solution.

If you are unable to complete tasks in a given lab project, document the steps you took and the issue that got in your way.

### Quizzes

There are no quizzes for the on-campus sections

### Intelligencers

Class Meeting	All Post #1	One Topic #2	Draft (leader) #3	Comments #4	Final #5
Tuesday 9:30 am	Wednesday 9:30 am 30%	Thursday 9:30 am	Friday 9:30 am	Saturday 9:30 am	Tuesday 9:30 am (30%)

An intelligencer is a short report or memo on a topic that you find online or in a technology publication. Most people who work in technology have subscriptions to magazines such as Computer World, Network World, PC World, PC Gamer, eWeek or Linux Magazine. In addition, most professionals read technology blogs and RSS feeds.

([http://en.wikipedia.org/wiki/Computer\\_magazine](http://en.wikipedia.org/wiki/Computer_magazine))

You will be broken up into workgroups for these assignments and each week one person will be assigned as the group leader. These assignments have the following steps:

1. Each person finds and posts in the team discussion a link to an article, blog post or other online resource. This post should have a fully formed URL that the rest of the group can click on to follow and review. This step must be done within 24 hours of the end of class time or 30 points will be deducted from your weekly intelligencer grade.
2. Each group has 24 hours from step #1 to agree on one topic for the rest of the week.
3. The (weekly) leader should post a draft of a PPT (or compatible) presentation within 24 hours of step #2
4. Each workgroup member has 24 hours to comment on the weeks Intelligencer and PPT file and research the topic of the week. I expect every team member to be able to answer questions about the chosen topic.
5. The weekly leader posts the final PPT by the start of class. (30% off for late) and presents the topic in class.
6. Each team member gets the same grade (less late penalties).

### Final Research Paper

The final paper requires you to research an operating system topic not specifically covered in class. With permission from the instructor, students can expand on a topic already covered in class as well. Students are required to do a considerable amount of research and are required to document all of their sources of information. There are three steps to the project process:

1. Students select a project topic
2. Students write a thesis statement on which to base their project.
3. Students submit a written report.

Additional details about the final paper will be posted by week five.

### Assessment

#### Calculation of your final grade Subject to change with notice

Intelligencers	25%
Labs	20%
Linux Project	10%
Research Paper	20%
Participation/Attendance	10%
Review Questions	15%
	100.00%

The following scale will be used to determine grades for course:

Grade	Range
A	93+
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62



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F	Below 60
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### GRADING CRITERIA FOR PROJECTS/HOMEWORK/LABS

Labs and written assignments will receive up to 100 points if they:

- Answer the question or complete the task
- Are presented in a professional manner with regards to format, grammar, supporting information.
- Are posted on or before their due date

Labs and written assignments will lose points for the following:

- Do not answer the question or complete the task – 10 Points
- Are submitted without regard for presentation with regards to format, grammar, or supporting information – 10 points
- Are posted after their due dates – 10 – 20 points

As long as you turn in something by the due date/time and, you will not be marked late. However, if you are having trouble with an assignment, check in with me **before** the due date/time and I will take a look and see what may be wrong.

### Written Assignments

**A** -The paper has all of these attributes:

- Fulfills all requirements for "C" and "B" paper.
- The writer demonstrates, by creative use of language and a keen sense of detail, an ability to communicate clearly, concisely and interestingly to the appropriate reader via persuasive use of logic and demonstrates evidence that the writer is developing a style unique to his/her experiences and interests in the business world.

**B**--The paper has all of these attributes:

- Fulfills all requirements for a "C" paper.
- Each sentence is clear and concise. Each sentence leads logically and smoothly into the next. The student does not use distracting jargon or slang. The essay minimizes use of the compound sentence.
- The tone is appropriate and consistent.

**C--**The paper has all of these attributes:

Correctly fulfills the assignment. Has few or no errors in grammar and sentence structure. Is neat and legible. Has clearly expressed and logically developed ideas. Has an introductory sentence or two and provides evidence supporting the ideas. Uses appropriate details/examples to support opinions. Uses language appropriate to a specific audience.

**D--**The paper has one or more of these faults:

Does not have a clear topical or introductory sentence. Contains many grammatical errors which distract the reader. Makes generalizations not supported by details or examples. Attempts to cover too broad a topic to discuss in a short paper. Shows lack of care in proofreading.

**F--**The paper has one or more of these faults:

Fails to fulfill the assignment. Lacks a central, organized, logical approach or thought. Displays a general carelessness and casual approach to the assignment.

**Course Policies:**

**Withdrawing from the class:** You may withdraw from the class until week eight without a withdrawal grade. Withdrawing from the class after this deadline will result in an assignment of a passing or failing grade, which will affect your QPA. Potential consequences of your failure to do so include: failing grades, reduction in financial aid and academic dismissal from the College.

**Grades of Incomplete:** Incompletes will only be considered before the end of the final exam period. Please check the student handbook for details.

**Attendance and Participation:** An integral part of the class and your grade, you are expected to attend and contribute to every class. Unexcused absences will result in points being deducted from your grade and over two unexcused absences will result in a significant overall final grade reduction as well as a significant reduction in the participation element of your final grade. You are expected to participate in class discussions, Intelligencer Q&As and contribute to your classmates' success with in-class labs,

### Students with Disabilities

If you believe that you have a disability requiring accommodations in this class, please contact the Coordinator of Support Services for Students with Disabilities as soon as possible. After you receive a letter (email) documenting the appropriate accommodations, please contact one of us so we can work with you to implement them in a timely fashion. It is the student's responsibility to seek and secure accommodations prior to the start of a test or project.

Contact: Janine Allo

- Counselor and ADA/504 Coordinator
- Office: Hauke 007
- Phone: 802-865-5484
- Email: [jallo@champlain.edu](mailto:jallo@champlain.edu)

Contact: Brian Gilbar

- Counselor and Coordinator of Services for Students with Disabilities
- Office Hauke 007
- Phone: 802-651-5961
- Email: [bgilbar@champlain.edu](mailto:bgilbar@champlain.edu)

### Academic Honesty:

**At least 66% of all written assignments must be in your own words unless specified by the instructor for an individual question.** Answers that are taken from lecture materials, books, web sites or other sources and are not **restated** will be marked wrong. Repeat offenses will be referred to the Office of Academic Affairs. If you want to include materials that you have not written, you must surround the text in quotation marks and cite (list) the source. This supersedes any other citation policy including, but not limited to, MLA citations. Be especially careful of answers to homework questions and quiz (essay) questions. **If you didn't write it, cite it. I expect the vast majority of your writing to be your own words**

Feel free to ask questions of other students in the class. You'll probably learn this material faster and more thoroughly if you interact with other students in the class. There is a clear line between asking another student to explain a concept and copying that student's work and turning it in as your own. Simply ask yourself, "Do I understand what my classmate did, and can I now do it myself without help?" This type of interaction is strongly encouraged in this class! **In addition, any material that you do not write 100% by yourself must be cited and the source named.**

"In the preparation and presentation of any assigned work-including examinations, tests, quizzes, term papers, reports, themes and other written or oral exercises-every student shall conform to a strict standard of academic honesty. Any attempt to deceive a faculty member or to help another student to do so will be considered a violation of this standard. In all assignments, you must acknowledge the words and/or ideas of others taken from print or electronic media, whether a direct quotation or a paraphrase; any omission of this is dishonest. Cheating on examinations or tests consists of knowingly giving, receiving or using-or attempting to give, receive or use-unauthorized assistance during an examination or test. A faculty member may record a grade of "zero" for any assignment on which a student has plagiarized or cheated. For repeat offenses within a single course, the faculty member may record a grade of "F" for the course. Violations of this policy in multiple courses may result in dismissal from the College. A student may appeal these decisions according to the Academic Grievance Procedure."