

**Cabrillo College**  
**Syllabus: CIS 172 – Fall 2009**

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**Office Hours:** M 9:30 -10:00 (room 2552); T 1:05 – 1:35 pm, W 12:25 -12:55, TH 10:00 – 10:30  
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### **Course Description**

CIS 172 surveys computer operating systems such as Unix/Linux, Microsoft Windows Operating Systems, and DOS. Topics include operating system theory, system requirements, file system management, network system integration, security, regular maintenance procedures, and an introduction to emergent technologies, their language and features. It is not possible to cover everything there is to know about operating systems in one course. This course will provide you with the tools to increase your ability to research more topics and increase your knowledge and skills.

### **Course Format**

Class sessions will include instructor-led presentations and discussions, collaborative exercises, interactive group work, and hands-on lab exercises.

### **Course Books**

**Required:** Andrews, Jean (2007). *A+ Guide to managing and maintaining your PC*. (6<sup>th</sup> ed.). Boston: Thomson Course Technology. ISBN-10: 0-619-21758-8  
**Optional:** Andrews, Jean (2008). *Supporting Windows Vista*. Boston: Course Technology. ISBN-10 1-4239-0216-5

### **Requirements/Prerequisites**

CS1, CS1L or equivalent are prerequisites for CIS 172. Students will need the knowledge and skills from CS 1 to be successful in the class. Please contact the instructor for more information. Some skills and knowledge that will be helpful for success in CIS 172 are:

- Use of an Internet browser to do research on the Internet.
- Use of e-mail
- Ability to meet deadlines
- Basic written and oral communication skills
- Ability to work in teams
- Basic navigation of the Windows Operating Systems
- File management

To be successful in the class you need to be prepared. Complete each week's work and reading assignments ahead of time. You are expected to attend all class sessions and participate actively in collaborative tasks. Work your way through the book chapters. Do as many of the lab assignments as you need to do to feel comfortable with the material. If you feel overwhelmed or fall behind in the class, get help immediately. Many students benefit from individual tutors. See the Tutorial Center for information regarding tutors. Study in groups. Help each other. Please talk to me if you need help. If you have to miss

class due to illness or other responsibilities, please contact me to make arrangements prior to your absence.

The amount of time you need to spend outside of class to be successful depends on your previous experience, your work habits, and your learning style. Completing the reading assignments is extremely important!

### **Grading Policy**

By default, students will receive a letter grade (A – F) in this class. The class may be taken on a credit/no credit basis. The equivalent to the letter grades A, B or C will result in a credit, the equivalent to a D or F will result in a no credit, so students will need to turn in assignments and take exams. The credit/no credit option will not affect the grade point average. It will **NOT** be possible to change from a letter grade to a credit/no credit after the deadline. Please refer to the Cabrillo schedule of classes for the deadline date. Final course grades will be calculated according to the following weighting system:

Reading Quizzes	100 points
Lab Exercises	100 points
Midterm	100 points
Final	100 points
Final Project/Student Presentation	100 point

<b>Final Grade</b>	
<b>100% – 90%</b>	<b>A</b>
<b>89% – 80%</b>	<b>B</b>
<b>79% – 70%</b>	<b>C</b>
<b>69% - 60%</b>	<b>D</b>
<b>59% and less</b>	<b>F</b>

### **“Incomplete” Grade Policy**

A grade of “I” can only be assigned if serious extenuating circumstances prevent you from completing the coursework by the deadlines. To request an “I”, you must have completed 75% of the required course work and you must make this request well in advance of the final day of classes. A grade of “I” is not automatic; it must be arranged by mutual agreement. In general, it should be removed before the start of the following semester. I very strongly discourage students from requesting an “Incomplete” grade.

### **Student Learning Outcomes**

1. Compare and contrast the design of current operating systems with respect to their user interfaces, hardware interfaces and system requirements.
2. Compare and contrast the multitasking, multi-user, and multiprocessing capabilities of each of the major operating systems.
3. Manage file systems for the major operating systems by partitioning and formatting storage devices, and by designing, building, and navigating directory structures.
4. Perform a basic operating system installation.
5. Configure an operating system for network connectivity, including DNS, Gateway, IP address configuration.

6. Manipulate different file types, including binary and text-based files.

work habits, and your learning style.

### Hours by Arrangements

The Cabrillo schedule of classes lists open lab times for you to complete your assignments and practice new skills of "+2 hr 5 min open lab per week". These open lab hours are at times of your choosing in the networking lab (room 2504). The networking lab is open as shown here: [Networking/CIS Lab hours](#). It is the student's responsibility to make use of these available hours every week. Please remember to sign in and out when you use the lab.

### Late Assignments

There will be a number of hands-on lab exercises to help you practice new skills and deepen your understanding of the material. You are responsible for getting all assignments from the class website at <http://www.cabrillo.edu/~gbrady>. Please print assignments out before coming to class. Paper copies will not be handed out. Late assignments can only be accepted due to illness, family emergency, or other legitimate reasons beyond your control. Assignments that are turned in late will receive a 10% point deduction for each day the assignment is overdue, unless you negotiated an extension in advance. Assignments submitted more than 7 days late cannot be accepted and receive a score of zero points.

### Classroom Etiquette/Housekeeping

- Pagers and cell phones need to be turned off or set to vibrate mode during class.
- Please show courtesy to the class by restricting conversation to in-class topics.
- The computers in the classroom will remain powered down during lecture time unless otherwise specified.
- Please do not download anything unless asked to do so by your instructor.

### Passwords

You will have to keep track of a number of passwords. Please record them in the table below, so that you will be able to refer to your records when you need to use your password and cannot remember it. NOTE: In the "real world" you would not write down your password, because that would be a security violation.

Site	Username	Password
CTC (1400 building)/Campus		
Blackboard		
FTP Server		

The CTC/Campus network password will only be valid if you are using the computers on campus. It does not work in your classroom.

The password for the Cabrillo College Server is needed to download some homework assignments. This will work from on-campus or off-campus locations.

The WebCT account is needed for online quizzes, the midterm and final and some homework assignments as well.

The FTP Server will be accessible from off-campus. This is the server we will use for file transfers at the end of the semester.

### **Drop**

If you need to drop the class, it is your responsibility to take the required steps. Please do not assume that I will automatically drop you, if you stop coming to class. If a class is not dropped properly, you might receive an "F" on your transcript.

### **Special Needs**

I encourage students with disabilities, including "invisible" disabilities such as chronic diseases, learning, and psychological disabilities, to explain their needs and appropriate accommodations to me during my office hour. Please bring a verification of your disability from the Learning Skills or DSP&S offices and a counselor or specialist's recommendations for accommodating your needs.

Students needing **\*accommodations\*** should contact the instructor ASAP. As required by the Americans with Disabilities Act (ADA), accommodations are provided to insure equal opportunity for students with verified disabilities. If you need assistance with an accommodation, please contact Disabled Student services, Room 810, 479-6379, or Learning Skills Program Room 1073, 479-6220 to make arrangements as soon as possible.