

Instructor: M.J. Papa

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Class Website: <http://www.santarosa.edu/~mpapa/hardware1/>

Class Hours

Section	Day/Time	Room
0487	Monday 6pm to 9:15pm	1447, Bussman Hall
Office Hours	Monday 5pm to 5:45pm	
Email contact with instructor-- response within 48hrs		

Required Textbook

A+ Guide to Managing and Maintaining Your PC, Seventh Edition, Comprehensive (by Jean Andrews) ISBN 13: 978-1-4354-9778-8.

NOTE: This edition has an e-book version and also has options for buying individual chapters.

For more information go to:

<http://www.cengagebrain.com/tl1/en/US/storefront/ichapters?cmd=catProductDetail&ISBN=9781435497788>

You can read the first chapter for **FREE**. It is available for download on the class website.

Required Materials

- 1GB Flash Drive – You must bring this to class every week.
- Access to a computer with Internet access and a printer outside of the classroom

Course Description

A fundamental introduction to computer hardware. Content includes identification and operation of components on the motherboard, and internal and external peripheral devices of PC's, Operating Systems and working with customers. Activities include disassembly and reassembly of PC components and troubleshooting by each student. Information is presented on metric prefixes, units used in computer terminology, and number systems (decimal, binary, and hexadecimal), with emphasis placed upon general computer operation and maintenance.

Student Learning Outcomes

At the end of this course, students will be able to:

1. Identify major components of the motherboard.
2. Use test equipment to measure the output voltages of a power supply.
3. Troubleshoot and repair system components.

Grading Policy

If you are taking this course to complete a certificate you must take the class for a letter grade.

Grade Values	
100% - 90%	A
89% - 80%	B
79% - 70%	C
69% - 60%	D
Less than 60%	F

Tests	50% of your total grade
Test 1	40 pts
Test 2	60 pts
Assignments	50% of your total grade
Email Instructor	7 pts
Labs (6),	60 pts
HW (6)	78 pts
Worksheets (3)	30 pts
Total	275 pts

Homework Standards

The class schedule is available at the class website. You are responsible for making up work in case of absence.

Homework Submission Instructions

- All homework **must** be printed using a word processor. You will include your name, section number and the name of the assignment (chapter number) at the top of the page.
- Work is due at the next class as shown on the Schedule page.
- **If** you notify me ahead of time **and** I give my approval, your late work may be turned in without penalty at the first class meeting following the absence.

Electronic Submissions

- You may e-mail your chapter question assignments. If you choose this method of submitting your homework you *must* do the following:
 - Put “**ELEC88.81 HW**” in the **Subject** of the message.
 - Send your document as an *attachment*; you must **name the file with your last name and the chapter number**. For example: “**Smith-Ch1.docx**”
 - **NOTE:** If you do not use the above file name format, you will lose points on your assignment.

Printing

You may not print homework assignments or lab instructions in the lab (Room 1447). You may print in the Library or in Cybear Center. You may only use the lab printer when it is part of a lab assignment.

Tests

Both tests are open-book. You may not use a computer or other electronic device during the test without the instructor’s permission.

Lab Assignments

Lab assignments will be completed during class. You may make up missed labs without late penalties. Some lab assignments will be set up for electronic submission.

Late Assignments

The only assignments that will be marked late are the **Reviewing the Basics** written assignments. All other assignments (worksheets and labs) may be submitted any time during the course.

Without prior arrangement, late work will be accepted ONE WEEK after the due date and a 20% deduction will be imposed. (The one exception is the last day of class. Your final work must be turned in by the end of the class.) **No assignments will be accepted after the last class session.**

Student Responsibilities

If you are ill, do not come to class. In light of the cautions about flu epidemic, please stay home until you are well. If you need to miss more than one class, I will make arrangements for you to continue your coursework if possible.

You are responsible for reading the chapters before coming to class and all lecture and lab material assigned. If you want a printed copy of the lab instructions and worksheets, you must print them before coming to class. Come to each class on time. Bring a pen or pencil, paper for note taking, and be prepared to participate in the lectures and demos.

Cell Phone Policy

The following rules will be enforced. The goal is to prevent cell phone usage from disturbing students and faculty.

- 1.....No Ringing!** All cell phones must be turned off or placed in vibrate mode when entering any lab or classroom.
- 2.....No Talking!** No phone calls may be made or accepted while in any lab or classroom. Students must step outside before initiating phone calls or answering their phone.
- 3....No Texting!**

Other Electronic Devices

No other electronic device including personal headphones or wireless cell phone headsets may be used during class.

Laptops

Laptops may **ONLY** be used for **note taking** during class. They cannot be connected to the network via network cable. Wireless access may be used if available.

Student Conduct

You are expected to adhere to the student conduct code as outlined in the schedule of classes. Attend class **ONLY** if you wish to learn and contribute to this class and your own educational goals. If you cannot arrive on time, stay the full meeting and conduct yourself in a way that is respectful of others' desire to discuss and learn, please do not attend. This includes, but is not limited to:

- 1- Tardiness
- 2- Leaving the room during class (except during break)
- 3- Any use of a cell phone
- 4- Eating
- 5- "Side talking" (i.e., talking to the class or an assigned group about something other than the assigned topic or limiting one's conversation to an individual or individuals during a class or group discussion)
- 6- Passing notes or text messaging.
- 7- Playing games or other activities on your laptop during class

Special Accommodations

Students with disabilities who believe they may need accommodations in this class are encouraged to contact Disability Resources (527-4278), Analy Village - C, as soon as possible to better ensure such accommodations are implemented in a timely fashion.