

# **GRAYSON COLLEGE**

## **Course Syllabus**

---

### **Course Information**

**CPMT1311.001, Introduction to Computer Maintenance, In Classroom**

### **Type of Course/Delivery Mode/Testing Requirements**

**Face to Face course, Lecture 3 hrs/wk on campus, Lab 1 hr/wk**

**Testing will be in classroom for Midterm and Final and quizzes will be online**

---

### **Professor Contact Information**

**John Dick, 903-463-8670, email [dickj@grayson.edu](mailto:dickj@grayson.edu), AT108B,**

**Office hours M-TH 3-4pm & F 8a-1pm**

---

**Course Pre-requisites, Co-requisites, and/or Other Restrictions: *None***

---

**Course Description – A study of the information for the assembly of a microcomputer system. Lab work includes the installation and configuration of motherboards, sound cards, video cards, modems and other peripherals.**

---

**Student Learning Outcomes – Identify modules that make up a computer system and its operation; identify each type of computer bus structure, assemble/setup microcomputer systems and adapter/interface boards; install/connect associated peripherals**

- A. To acquaint the student with the materials and equipment pertinent to computer maintenance.**
  - B. To teach the student the assembly of personal computers.**
  - C. To teach the student the installation of operating systems.**
  - D. To teach the student installation of computer hardware and software drivers.**
  - E. To teach the student good safety habits while troubleshooting or assembling computers.**
  - F. To teach the student to identify, organize, plan and allocate resources**
  - G. To allow the student to experience the team concept and team skills by working with others on projects.**
  - H. To provide the student experience in acquiring and using information from a variety of sources.**
  - I. To provide the student with experience using complex inter-relationship skills**
  - J. To allow the student to work with a variety of applied technologies.**
  - K. To teach the student to think creatively, make decisions, solve problems, visualize with the minds eye, reason, and how to acquire and apply new knowledge and skills.**
  - L. To teach the student the importance of: responsibility, self esteem, social skills, self management, integrity and honesty in personal life and in the work place.**
  - M. To teach the student to apply and use high technology computer systems.**
- 

### **Required Textbooks (ISBN # included) and Materials**

**A+ Guide to Hardware, Jean Andrews, ISBN-13: 978-1-133-13512-8**

**Lab Manual, A+ Guide to Hardware, Jean Andrews, ISBN-13: 978-1-133-13514-2**

---

## Required Assignments & Academic Calendar

In case of inclement weather, emergency closings, or other unforeseen disruptions to scheduled classes, student must log onto their Canvas accounts for directions on where or how to continue their coursework.

### Outline of Topics Covered

- **Introducing Hardware**
- **Form Factors, Power Supplies, and Working Inside a Computer**
- **All about Motherboards**
- **Supporting Processors**
- **Upgrading Memory**
- **Supporting Hard Drives**
- **Installing and Supporting I/O Devices**
- **Multimedia Devices and Mass Storage**
- **PC Maintenance and Troubleshooting Strategies**
- **Networking Essentials**
- **Supporting Notebooks**
- **Supporting Printers**

**This schedule is subject to change, with fair notice, via Canvas messaging**

<b>Title</b>	<b>Available from</b>	<b>Due</b>
Chapter 01 Quiz	2017-01-16 0:00	2017-03-09 8:00
Chapter 02 Quiz	2017-01-16 0:00	2017-03-09 8:00
Chapter 03 Quiz	2017-01-16 0:00	2017-03-09 8:00
Chapter 04 Quiz	2017-01-16 0:00	2017-03-09 8:00
Chapter 05 Quiz	2017-01-16 0:00	2017-03-09 8:00
Chapter 06 Quiz	2017-01-16 0:00	2017-03-09 8:00
Lab 01		2017-03-07 10:00
Lab 02		2017-03-07 10:00
Lab 03		2017-03-07 10:00
Lab 04		2017-03-07 10:00
Lab 05		2017-03-07 10:00
Lab 06		2017-03-07 10:00
<b>Midterm Exam</b>	2017-03-09 8:00	2017-03-09 10:00
Chapter 07 Quiz	2017-03-10 0:00	2017-05-11 8:00
Chapter 08 Quiz	2017-03-10 0:00	2017-05-11 8:00
Chapter 09 Quiz	2017-03-10 0:00	2017-05-11 8:00
Chapter 10 Quiz	2017-03-10 0:00	2017-05-11 8:00
Chapter 11 Quiz	2017-03-10 0:00	2017-05-11 8:00
Chapter 12 Quiz	2017-03-10 0:00	2017-05-11 8:00

Lab 07		2017-05-09 10:00
Lab 08		2017-05-09 10:00
Lab 09		2017-05-09 10:00
Lab 10		2017-05-09 10:00
Lab 11		2017-05-09 10:00
Lab 12		2017-05-09 10:00
<b>Final Exam</b>	2017-05-11 8:00	2017-05-11 10:00

## Methods of Evaluation

### Grading

Categories	Percentage
Quizzes	33
Labs	33
Avg of Midterm & Final	33

Grade Scale	90- 100	A
	80 - 89	B
	70 – 79	C
	60 – 69	D
	< 60	F

Students can check grades in CANVAS throughout the semester.

**\*\*\* More than 3 absences will result in the loss of one point from your overall grade for each additional absence \*\*\***

**\*\*\* Lab assignments are due two weeks from the date on which they are issued or with the midterm or final exam for which the material applies, whichever comes first.**

## Methods of Instruction

The course will be lecture, videos, discussions and labs with hands on components

## Course & Instructor Policies

**There will be no makeup exams or extra credit or late work accepted. Class attendance will be expected.**

**The quizzes that are required for this course may be completed at home or any other place of the students choosing. If a student does not have a computer or internet access they may use the computers in the classroom when the room is not in use or may go to the open lab at CIS106 or the Library.**

**Students will not cheat or copy during the tests or use another page. If caught doing this the student will receive a grade of F for the exam.**

## Class Attendance

Academic success is closely associated with regular classroom attendance and course participation.

All successful students, whether on campus or online, are expected to be highly self-motivated.

All students are required to participate in courses regularly and are obliged to participate in class activities and complete and submit assignments following their professors' instructions. Students taking courses during compressed semester time frames such as mini-mester, summer sessions, and mid-semester should plan to spend significantly more time per week on the course. Responsibility for work missed because of illness or school business is placed upon the student. More than two (2) absences are considered to be excessive. In addition, students' eligibility to receive financial aid or live in a College dormitory can be affected by withdrawal from courses. When withdrawal occurs, any tuition refund would be made in accordance with state regulations.

---

### **Student Conduct & Discipline**

**Students will be in their seats before the start of class. They will participate in class discussions and ask questions appropriate to the subject matter as needed. Safety is of the utmost importance in the classroom especially when labs are being accomplished. Cell phones will be on silent and may only be answered outside of the classroom.**

---

### **Academic Integrity**

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable.

---

### **Student Responsibility**

You have already made the decision to go to college; now the follow-up decisions on whether to commit to doing the work could very well determine whether you end up working at a good paying job in a field you enjoy or working at minimum wage for the rest of your life. Education involves a partnership that requires both students and instructors to do their parts. By entering into this partnership, you have a responsibility to show up for class, do the assignments and reading, be engaged and pay attention in class, follow directions, and put your best effort into it. You will get out of your experience here exactly what you put into it – nothing more and nothing less.

---

## **TITLE IX**

GC policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status.

Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on Title IX, please contact:

- Dr. Regina Organ, Title IX Coordinator
  - Dr. Dava Washburn , Title IX Coordinator
  - Website: <http://www.grayson.edu/campus-life/campus-police/title-ix-policies.html>
  - GC Police Department: (903) 463-8777
  - GC Counseling Center: (903) 463-8730
  - For Any On-campus Emergencies: 911
- 

**Grayson College is not responsible for illness/injury that occurs during the normal course of classroom/lab/clinical experiences.**

**These descriptions and timelines are subject to change at the discretion of the Professor.**

**Grayson College campus-wide student policies may be found on our Current Student Page on our website:**  
**<http://grayson.edu/current-students/index.html>**