Instructor: Mr. Kabwe Chanda

E-Mail: chandaki@lavc.edu

Class Hours/Format: Saturdays
1:00pm – 1:20 pm .......... Weekly Exam Review (CE 105A)
1:20pm – 2:00 pm .......... Weekly Exam (CE 105A “Etudes”) 
2:00pm – 3:00 pm .......... Lecture (CE105A)
3:00 pm – 3:55 pm .......... Lab (CE101)
1 Hour Online – TBA

Office Hours: 12-1:00pm (CE 101)

College Web Site: http://www.wlac.edu for all student-related services

Important Dates to Remember
Academic Calendar
Deadline to add a class – February 20th, 2015
Drop a Class without a fee – February 22nd, 2015
Drop a Class without a “W” – February 22nd, 2015
Drop a class with a “W” – May 10th, 2015
Last day to file for graduation – April 25th, 2015

Campus Closed/no class:
Presidents Day: February 13th – February 16th
Cesar Chavez Day: March 31st
Spring Break: April 4th – April 10th
Memorial Day: May 25th

Welcome
This Semester, you will develop skills necessary to troubleshoot computer hardware and prepare for the A+ Certification. The CompTIA A+ certification is the starting point for a career in IT. The exams cover maintenance of PCs, mobile devices, laptops, operating systems and printers.

Course Description:
The rapid expansion of the computer industry has generated a growing need for highly skilled workers to repair, network hardware, and support these increasingly complex computer systems. Employment of computer specialists is expected to increase much faster than average as technology becomes more sophisticated and organizations continue to adopt and integrate these technologies. This field requires the specialist to continually learn new skills to keep pace with the rapidly changing industry. This class will explore basic electronics concepts needed to troubleshoot and repair all aspects of personal computers. In this class we will develop skills such as installation of hard drives, interface cards, network cards, monitors, keyboards, modems, etc. Operating systems will be installed to insure system operation.

Required Texts:

For exam discount vouchers to sit for CompTIA A+ certification exams, please see information on the next page or the division web site www.wlac.edu/csit.
How to purchase Required Text (Testout LabSim)
To access the student pricing ($89, access is valid for 3 years), go to
1. www.testout.com
2. Promotional code = 14-346ta
   (This will take you a page designed for West Los Angeles College Students, you will need to enter the school name)
3. School name = West Los Angeles College (Case Sensitive)
4. Instructor name = Kabwe Chanda

The program may prompt you to download Microsoft Silverlight to enhance multimedia effects.
   - The course material is browser based
   - Works for both PC and MAC

If for any reason students need to purchase the required material from WLAC bookstore, please order it via the web site of WLAC’s bookstore http://store450.collegestoreonline.com or contact Nilhson Zelaya in bookstore (310-287-4381).

Testout Product Activation Code
Once you place the order on-line, you will receive an e-mail confirmation and product activation code in a few minutes. Please note that Testout no longer sends out DVD or LabSim manual, everything is now online.

After you purchase and successfully sign on to your TestOut Labsim account add yourself to CS916 Spring 2015 class before you begin the course work. See instructions on the left menu “resource” of ETUDES course shell.

Publisher Information
TestOut Corporation 1-800-877-4889 or e-mail the representative Jeff Hanks via JHanks@testout.com if you have any questions about your account.

Testout LabSim account
If the student had previously set up an account with TestOut, the same account will be used for this class;
   http://labsim.testout.com

Required Material:
1. Access to a computer with internet access.
2. Login to free online module Etudes
   (Information on Etudes acces explained on the next page.)
On-line course shell ETUDES

Class material, announcements and homework and exams will be posted on the online shell (Etudes)

**LOGIN INSTRUCTION**:  [https://myetudes.org](https://myetudes.org)

The Login ID will be the first 2 letters of first name plus the first 2 letters of last name plus the last 5 digit of student ID, password is birthday.

- User ID: just90210
- Password: 0704

After logging in, double click the course you are enrolled in.

If you are a first-time on-line student, make sure your Browser settings are as follow:

Tools->Internet Option-general->security setting->add [www.myetudes.org](http://www.myetudes.org) or [www.wlac.edu/online](http://www.wlac.edu/online) as a trusted site.

**Trouble logging in to ETUDES**

If you have trouble accessing the course on, or after, the start date visit the Online Student Help Desk at [http://www.wlac.edu/online/helpdesk.asp](http://www.wlac.edu/online/helpdesk.asp). Click on Helpdesk Rules where your issue is likely addressed in the Frequently Asked Questions section. If not, post a message explaining the problem or contact the WLAC Distance Learning Program Office at (310)287-4305 or via email: shemwer@wlac.edu.

**Email Communication**

If you have a valid email address in the LACCD system, ETUDES’ instructor’s announcement will be sent to your personal email. Otherwise, you should check the instructor’s announcement when you first log on to course shell. You might want to update your email address under MyWorkspace-> Account-> Modify if you change e-mail address.

**In Etudes you will find**

- **Announcements**- Please check this area periodically for update class information and news.
- **Syllabus**-This syllabus will be updated periodically
- **Resources**- In this section you will find TestOut material ordering information
- **Resources**- Guide to joining a school and enrolling a class within Testout Labsim.
- **Resources**- Orientation to ETUDES
- **Modules** – Lecture Notes
- **Assignments Tests and Surveys** – Homework due every week, Lab grades posted here, etc

**Other classes needed to help you prepare for Certification**

**CS 934** - Covers basic to intermediate topics in OS (XP/Vista/Windows 7) - **CS 934 + CS916 prepares for A+ Certification**

**CS 965** - Covers network hardware components and devices, wired and wireless, LAN & WAN standards and protocols, network implementation & security – **CS 965 + CS 916 Prepares for Network + Certification**
**Student Objectives**

Upon completion of this class students will be able to:

- Understand computer Safety and Maintenance
- Effectively use the tools required for computer repair
- Identify the components of a computer
- Recognizing various symptoms to aid in diagnosing computer problems
- Install & upgrade computer components (RAM, Hard drives, CD/DVD drives, expansion cards, etc)
- Test, troubleshoot and install power supplies
- Install motherboards, troubleshoot and install the CPU,
- Assemble and understand Network cabling
- Understand networking devices and techniques of connecting to them

**Institutional Learning Outcomes**

This course will also facilitate the following Institutional Learning Outcomes:

A. Technical Competence: Utilize the appropriate technology effectively for informational, academic, personal, and professional needs.

**Course Requirements**

**Homework**
There is a homework assignment posted in Etudes after each class meeting. Homework assignments open after each class meeting unless otherwise specified. Homework is due at the beginning of the next class meeting.

**Lab Assignments**
There is lab after most class meetings unless otherwise specified.

**Late Assignments**
There is – 5 points for each exam missed (Maximum -15points).
To take after the due date, send a private message in Etudes clearly specifying the Exam or Homework number.

There is no penalty for doing labs late. All labs must be completed by the last day of instruction. *(Make an effort to do the labs the day they are assigned to keep pace with the class.)*

**Grading:**

**Grading:**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>A: 900+ points</td>
<td>10 Homework Assignments @ 30 points each – Labsim: Lab Simulations</td>
<td>300 points</td>
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<td>B: 800-899 points</td>
<td>10 In Class LABs @ 30 points each</td>
<td>300 points</td>
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<td>C: 700-799 points</td>
<td>11 Weekly Exams @ 30 points each – In Class (Lowest score exam will be dropped)</td>
<td>300 points</td>
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<td>D: 600-699 points</td>
<td>Final - In Class (Security Pro Certification)</td>
<td>100 points</td>
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<td>F: Less than 600 points</td>
<td><strong>Total</strong></td>
<td><strong>1000 points</strong></td>
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**Class Rules**

- Please turn off all cell phone ringers
- If you have to take a call please take the call outside
- NO FOOD or DRINKS allowed in the classroom or computer lab
- Keep your work area clean
- During lab, check out equipment from the two designated cabinets near Mr. Laurent Phung office in CE 101
- After lab return all checked out materials
- After lab store all computers under the table and return, keyboards, mouse, cables etc.

**Exclusion Policy**

Two or more missed of any combination of class, lab, or homework before March 7<sup>th</sup>, 2015 will result in exclusion unless you are permitted by the instructor.

It is your responsibility to drop the class. Failure to drop the class in a timely manner will result in a “W” or “F” on your transcript.

**Incomplete Policy**

A Student who has successfully completed more than 75% of the course work and has communicated with the instructor with a justifiable explanation may be considered for an incomplete grade.
**Contacting Me**

1. E-mail is the best and quickest way to contact me
   chandaki@lavc.edu

2. You can also see me during office hours

**College Policies**

**Academic Integrity (Plagiarism)**
In accordance with code 9803.28, academic dishonesty is prohibited and will not be tolerated in this class. Violations of academic integrity include, but are not limited to, the following actions: cheating on an exam, plagiarism, working together on an assignment, paper or project when the instructor has specifically stated students should not do so, submitting the same term paper to more than one instructor, or allowing another individual to assume one’s identity for the purpose of enhancing one’s grade. Academic dishonesty of any type, such as cheating or knowingly furnishing false information, by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks, footnotes, or appropriate documentation.
   - Plagiarism will result in a zero for the assignment, possible dismissal from the class and disciplinary action from the college.
   - You will not receive credit for any essay missing previous drafts, citations and/or a Works Cited page.

**Student Conduct**
According to code 9803.15, disruption of classes or college activities is prohibited and will not be tolerated. Refer to the catalog and the Standards of Student Conduct in the Schedule of Classes for more information.

**Recording Devices**
State law in California prohibits the use of any electronic listening or recording device in a classroom without prior consent of the instructor and college administration. Any student who needs to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Vice President of Academic Affairs for approval (WLAC College Catalog).

For more information refer to the attached link:

**Campus Resources**

**Office of Disabled Student Programs and Services (DSP&S)**
Heldman Learning Resources Center (HLRC), Room 119 | (310) 287-4450.
West Los Angeles College recognizes and welcomes its responsibility to provide an equal educational opportunity to all disabled individuals. The Office of Disabled Students Programs and Services (DSP&S) has been established to provide support services for all verified disabled students pursuing a college education. DSP&S students may qualify for: priority registration, registration assistance, special parking permits, sign language interpreters and assistive technology (WLAC College Catalog).

**Instructional Support (Tutoring) & Learning Skills Center**
Heldman Learning Resources Center (HLRC) | (310) 287-4486
Improve your reading, language, vocabulary, spelling, math fundamentals and chemistry knowledge with convenient, self-paced computer-aided courses in the Learning Skills Center. Increase your knowledge and learning success: sign up for tutoring in various college subjects (WLAC College Catalog).

**Library Services**
Heldman Learning Resources Center (HLRC) | (310) 287-4269 & (310) 287-4486
The WLAC Library provides instruction on how to use the online catalog, periodical and research databases. In addition to a large collection of books, periodicals and videos the WLAC Library has course textbooks which students may use while in the Library. Web access is available in LIRL as well as meeting rooms. The upper floors provide a beautiful view ideal for study (WLAC College Catalog).

For more information refer to attached link:

**Honor Credit Info:**  [http://www.wlac.edu/transfer/index.html#honors](http://www.wlac.edu/transfer/index.html#honors)
**Division Web Site:** http://www.wlac.edu/CSIT where you will find:

- Division Announcements – Scholarship and Internship Opportunities
- Computer Science Instructor Office Hours
- Computer Lab Schedule
- Information on Petition for Prerequisite Challenge, Degree & Certificate Petition Information
- Information on discount vouchers for CompTIA A+ Network+ Security+ Linux+
- Free Software Download (Windows 7, Server 2008, VMWare, Microsoft ACCESS and Visio Studio)

Requirement for AA/AS degrees and Certificate of Achievement in the following:

- Degree and Certificate in Computer Science (10 major courses)
- Degree and Certificate in Computer Network and Security Management (10 major courses)
- Degree and Certificate in Computer Web Support and Database Administration (10 major courses)
- Certificate of Achievement in Computer Network Management (requires 6 courses)
- Certificate of Achievement in Information System Security (requires 6 courses)
- Certificate of Achievement in Business Application and Database Management (requires 6 courses)
- Certificate of Achievement in Web Support and Administration (requires 6 courses)

**Faculty advisor and major declaration**

Please note that students must declare a major in order to become eligible for scholarship and internship opportunities. To declare a major, please obtain the form of change request from CS division website [www.wlac.edu.csit](http://www.wlac.edu.csit) click the link on the left menu in Etudes.

By default, your instructor can be the faculty advisor; please see the instructor during the posted office hour OR you can make an appointment with the following fulltime faculty advisor:

- **Ashok Patil** – Degree, transfer, and certificate in Computer - PatilA@wlac.edu
- **Anna Chiang** – Degree, transfer and certificate in Computer Information Science/Computer Network and Security - ChiangA@wlac.edu
- **Marcus Butler** – Microsoft, CISCO, VMWare training - ButlerM@wlac.edu
- **Manish Patel** – Degree and certificate in Web development and Database Administration - PatelM@wlac.edu

**Student Information System (SIS)**

http://www.wlac.edu ➔ For Students ➔ SIS tabs.

- Check Grades
- Get unofficial transcripts
- Register for classes
- Drop classes
- Etc.

**A+ Certification**

Certification requires two exams

1. A+ Essentials – Exam code 220-801 or JKO-801 and
2. A+ Practical Application – Exam code 220-802 or JKO-802

**CompTIA A+ certification end of semester exam pre-test**

At the end of semester Ms. Anna Chiang will conduct a free Test out certification exam.
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Course topics</th>
<th>TestOut Chapter</th>
<th>Homework TestOut Labs</th>
<th>Weekly Exams</th>
<th>Lab</th>
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<tbody>
<tr>
<td>1</td>
<td>Sat. 2/21</td>
<td>• Orientation</td>
<td>PC Pro 1.1-1.4</td>
<td>PC Pro 1.2.2</td>
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<td>NO LAB</td>
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<td>• Certification overview</td>
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<td>• Hardware Basics</td>
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<td>• PC Tools</td>
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<td>• Protection and Safety</td>
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<td>2</td>
<td>Sat. 2/28</td>
<td>• Cases and Form Factors</td>
<td>PC Pro 3.1</td>
<td>PC Pro 3.3.5</td>
<td>Exam 1</td>
<td>PC &amp; Networking Components</td>
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<td>• Motherboard Components and buses</td>
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<td>Week 1 Lecture</td>
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<td>• Expansion Cards, video and Cooling</td>
<td>PC Pro 3.3</td>
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<td>• protection and Safety</td>
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<td>PC Pro 3.7</td>
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<td>• cooling</td>
<td>PC Pro 3.8</td>
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<td>• cooling</td>
<td>PC Pro 3.9</td>
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<td>3</td>
<td>Sat. 3/07</td>
<td>• CPU – Features</td>
<td>PC Pro 3.4</td>
<td>PC Pro 3.4.7</td>
<td>Exam 2</td>
<td>Motherboard</td>
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<td>• CPU – Features</td>
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<td>Week 2 Lecture</td>
<td>Form Factor and Buses</td>
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<td>• cooling</td>
<td>PC Pro 3.9</td>
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<td>4</td>
<td>Sat. 3/14</td>
<td>• Volatile Memory</td>
<td>PC Pro 3.5</td>
<td>PC Pro 3.5.12</td>
<td>Exam 3</td>
<td>CPU and</td>
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<td>• Volatile Memory</td>
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<td>Week 3 Lecture</td>
<td>Features</td>
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<td>• Volatile Memory</td>
<td>PC Pro 3.6</td>
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<td>5</td>
<td>Sat. 3/21</td>
<td>• BIOS</td>
<td>PC Pro 3.2</td>
<td>PC Pro 3.6.7</td>
<td>Exam 4</td>
<td>RAM</td>
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<td>• Power</td>
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<td>Week 4 Lecture</td>
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<td>• BIOS</td>
<td>PC Pro 3.6</td>
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<td>• Power</td>
<td>PC Pro 3.6.8</td>
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<td>• BIOS</td>
<td>PC Pro 3.2.5</td>
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<td>6</td>
<td>Sat. 3/28</td>
<td>• Peripheral Devices</td>
<td>PC Pro 4.1-4.6</td>
<td>PC Pro 4.1.5</td>
<td>Exam 5</td>
<td>BIOS</td>
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<td>• Printing</td>
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<td>Week 5 Lecture</td>
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<td>• Peripheral Devices</td>
<td>PC Pro 7.1-7.5</td>
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<td>7</td>
<td>Sat. 4/4</td>
<td>NO CLASS [ Spring Break]</td>
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<td>Week</td>
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<td>Weekly Exams</td>
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<td>8</td>
<td>Sat. 4/11</td>
<td>• Non-Volatile Storage</td>
<td>PC Pro 5.1-5.10</td>
<td>PC Pro 5.2.3 5.3.4 5.4.4 5.7.7 5.7.9 5.8.5 5.8.6 5.9.4 5.10.4</td>
<td>Exam 6</td>
<td>Power</td>
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<td>9</td>
<td>Sat. 4/18</td>
<td>• Mobil Devices</td>
<td>8.01 – 8.04</td>
<td>8.3.4 8.3.5 8.4.8</td>
<td>Exam 7</td>
<td>Storage</td>
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<td>10</td>
<td>Wed. 4/25</td>
<td>• Networking – Overview</td>
<td>Network Pro 1.01 - 1.05 2.01 - 2.04</td>
<td>Network Pro 1.4.4 2.3.4 2.4.7</td>
<td>Exam 8</td>
<td>Mobil Devices</td>
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<td>• Networking - Cabling</td>
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<tr>
<td>11</td>
<td>Sat. 5/2</td>
<td>• Networking – Devices &amp; Security</td>
<td>Network Pro 3.01 - 3.03 8.04</td>
<td>Network Pro 3.1.4 3.2.4 8.4.4</td>
<td>Exam 9</td>
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<td>12</td>
<td>Sat. 5/9</td>
<td>• Troubleshooting</td>
<td>PC Pro 13.1-13.11</td>
<td>PC Pro 13.1.all to 13.11.all</td>
<td>Exam 10</td>
<td>Network Devices</td>
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<td>Network Pro 10.1 – 10.8</td>
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<td>13</td>
<td>Sat. 5/16</td>
<td>• (Review) - File Management</td>
<td>PC Pro 11.1 – 11.5 12.1 – 12.10</td>
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<td>Exam 11</td>
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<td>• (Review) - Security</td>
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<td>14</td>
<td>Sat. 5/23</td>
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<td>Building a PC system - Hardware</td>
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<td>15</td>
<td>Sat. 5/30</td>
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<tr>
<td>16</td>
<td>Sat. 6/6</td>
<td>Final Exam: 1:00 p.m.-3:00 p.m. – In Class Testout PC Pro Certification</td>
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<td>Final Exam can also be taken in Ms. Chiang CS965 Morning Class</td>
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<td>NOTE: The date and time for the Final Exam could change. You will be notified well in advance if this is the case.</td>
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