



### Course Syllabus

<b>Course Number and section</b> EDTC 5710-01	<b>Maintaining Computer Systems</b>	<b>Semester, Year, Term</b> Fall, 2008, 01
<b>Online or Room Number</b> WH 221	<b>Instructor Lee W. Trani</b> <b>Contact phone # (636) 391-9603,</b> <b>Office hours 6 to 10 PM</b> <b>eMail address Lee6Trani@aol.com</b>	<b>2 credit hours</b>

#### 1. COURSE DESCRIPTION:

This course will take the student from computer set up through software installations and hardware upgrades. It will assist students to maintain well running computer systems without the need of technical support. Students will disassemble a computer using common tools and through a hands-on approach examine various components to determine the basics of how a computer works.

#### 2. LEARNING OUTCOMES:

- Students will discuss, identify, and examine basic tools necessary for opening computer cases and working on the internal parts of a computer
- Students will examine basic safety precautions for working on computers
- Students will identify internal computer components including the motherboard, coprocessors, cables, basic cards, and examine how each are attached
- Students will discuss and analyze basic computer problems associated with internal components such as no sound, graphics not displaying properly, or no network connection and software installations and analyze how to troubleshoot for common problems
- Students will examine system tools for repair and for computer maintenance such as defrag
- Students will analyze and discuss anti-virus programs, virus removal tools, and how to avoid viruses
- Students will analyze and differentiate when problems may be software related or hardware related

#### 3. SCHEDULE OF REQUIRED READINGS, CLASS PREPARATIONS AND ASSIGNMENTS, LECTURES, DISCUSSIONS, STUDENT PRESENTATIONS, OUT-OF-CLASS ASSIGNMENTS AND EXAMS.

<b>Module 1</b>	Introduction – Ch 2 & 3. Identify PC parts.
<b>Module 2</b>	Ch 13, 14, & 15. Clarify the relationship between hardware parts.
<b>Module 3</b>	Ch 23. Trouble shooting parts. Networks
<b>Module 4</b>	Ch 16 & 17. Troubleshooting networks.
<b>Module 5</b>	Ch 8, 9, & 19. Bios, Windows, OS & drivers.
<b>Module 6</b>	Ch 20-22. Software problems
<b>Module 7</b>	Troubleshooting. Utilities. Support.
<b>Module 8</b>	Presentations.

**4. RESOURCES:**

**Textbook: Troubleshooting Your PC for Dummies, by Dan Gookin**

**Library Readings:**

**5. EVALUATION / GRADING SCALE:**

93-100 = A

90-92 = A-

86-89 = B+

83-85 = B

80-82 = B-

76-79 = C+

Weekly Readings/Writings	80
Weekly assignments	120
Lesson plan	100
Test (1)	100
Final project	300
Class Participation	300

All academic and professional behavior of students in this course is subject to review for the purposes of student evaluation.

**I plan to keep the final project. So if you desire a copy of it, please make one for yourself before turning it into me.**

**6. ACADEMIC HONESTY POLICY:**

**Students at Webster University are expected to practice academic honesty.**

In its broadest sense, plagiarism is using someone else's work or ideas, presented or claimed as your own. Any time you refer to another person's work, whether as a direct quotation or paraphrased, you must use a citation. Students should not copy more than two paragraphs from any source as a major component of papers or projects. All citations must be properly documented and references must be provided using APA guidelines (<http://library.webster.edu/citation.html>).

**7. ACCESSIBILITY/ACCOMODATIONS POLICY:**

If you have a disability, please notify your instructor as soon as possible to discuss your accommodation needs.

**8. ATTENDANCE:**

Attendance is crucial in all online courses. This means that a student is expected to login to the course several times during each week.

Even though you are not required to be logged in at any precise time or day, you are expected to login several times during each week. It is important to actively participate each week in the course.

Attendance at all classes is required. If a student anticipates missing a class, the instructor must be notified prior to the class. Special makeup work should be requested by the student for missed classes. Students will be required to complete the work assigned and to make up any missed work by the next class. **Please note that we only meet 8 days, hence each meeting is crucial.**

**If you require any special assistance or consideration, please do not hesitate to contact me on breaks or after class at any time.**

**The instructor reserves the right to lower the final grade by a letter grade for absences.**

Students who do not complete the requirements of the course must contact the instructor prior to the end of the course to complete an Incomplete Course form. Incompletes are not awarded except in emergencies, as defined by the instructor.

**NB: An Incomplete may only be awarded to a student who has maintained a passing grade up to the point of the emergency. Incomplete grades will change to a grade of F or NC unless the requirements stipulated on the incomplete form are met by the date listed on the form or one calendar year from the end of the course, whichever comes first.**

9. **OTHER**  
**Expectations, i.e.**

10. **STANDARDS / GOALS:**

International Society for Technology in Education (ISTE) - National Educational Technology Standards for Teachers (NETS) – [http://cnet.iste.org/teachers/t\\_stands.html](http://cnet.iste.org/teachers/t_stands.html)

**ISTE NET Standards:**

1. **Technology operations and concepts.**  
Teachers demonstrate a sound understanding of technology operations and concepts.
2. **Planning and designing learning environments and experiences.**  
Teachers plan and design effective learning environments and experiences supported by technology.
3. **Teaching, learning, and the curriculum.**  
Teachers implement curriculum plans that include methods and strategies for applying technology to maximize student learning.
4. **Assessment and evaluation.**  
Teachers apply technology to facilitate a variety of effective assessment and evaluation strategies.
5. **Productivity and professional practice.**  
Teachers use technology to enhance their productivity and professional practice.
6. **Social, ethical, legal, and human issues.**  
Teachers understand the social, ethical, legal, and human issues surrounding the use of technology in PK-12 schools and apply those principles in practice.

**The School of Education (SOE) Goals:**

1. **The knowledgeable learner:**  
Education candidates will demonstrate knowledge of the subject matter, knowledge of the learner, and knowledge of pedagogy based on inquiry and scholarship.
2. **The informed instructor:**  
Education candidates will incorporate multiple assessment and instructional strategies to support effective educational practices based on research and theory.
3. **The reflective collaborator:**

Education candidates will reflect on the roles educators take as leaders of change through collaboration with colleagues, students, and families in schools and communities.

4. **The responsive educator:**

Education candidates will demonstrate respect for diversity through responsive teaching and learning that values individual differences.

*This syllabus is subject to change at the discretion of the instructor.*