



Course Syllabus

Course Information

<i>Number & Section:</i>	EDTC 5030.W3
<i>Course Title:</i>	Topics in Classroom Technologies: Maintaining Computer Systems
<i>Instructor:</i>	Tom Richmond
<i>Email:</i>	richmond@webster.edu
<i>Credits / Term:</i>	2 / Spring II 2003

Course Description

	This course will take students from computer set up, through software installations and hardware upgrades in order to maintain a well-running computer system without the need of technical support.
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Learning Outcomes with MoSTEP Standards

<i>Outcomes</i>	After completing this course, the student will be able to troubleshoot common computer problems while maintaining a well-running system. They will be able to load software, add memory, configure new hardware and learn what steps to take in order to solve computer errors and problems.
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MoSTEP:	<p>Benchmark 1b: Subject matter is presented through group and individual exploration, research and multimedia.</p> <p style="text-align: right;">Benchmark 2b:</p> <p>Student's knowledge will be strengthened (broadened) in the areas of hardware and software.</p> <p>Benchmark 3b: Individualized implementation of instruction will be based on student's prior experience, strengths and needs regarding operating systems. Benchmark 4a: Students are encouraged to explore and use problem solving skills in the troubleshooting areas of this course. Students will build new skills from previously acquired skills from other technology courses and/or personal experience.</p> <p>Benchmark 4c: Long and short-term goals are adjusted to meet student needs to enhance learning.</p> <p style="text-align: right;">Benchmark 5b:</p> <p>Students will be engaged in active learning that promotes development of critical thinking and problem-solving skills through the online group discussion groups.</p> <p style="text-align: right;">Benchmark 6c:</p> <p>Students will be engaged in decision making through group projects and survey techniques.</p> <p>Benchmark 8d: Students will be able to access their current and cumulative progress online with updates every 3 to 7 days.</p> <p style="text-align: center; font-size: small;">The Missouri Show-Me Standards are addressed within the content of this course. Identification of specific standards are included within course assignments. Integration of Missouri Assessment Program (MAP) standards and grade levels will be integrated into this course when appropriate.</p>
Resources	
<i>Text:</i>	Enhanced A+ Guide to Managing and Maintaining Your PC (Comprehensive Enhanced Third Edition), Andrews, Jean, Boston, MA: Course Technology, 2001 ISBN 0-619-03433-5 Included with this book is the XP Guide ISBN 0-619-13063-6
<i>Internet:</i>	For research, downloads and class access.
Evaluation	
	Students in this course will be evaluated on class participation (online discussions), successful completion of the assignments, quizzes and final troubleshooting exam.
Topical Overview: (subject to change)	
<i>Week 1</i>	Introductions & Site Navigation, Viruses, Disaster Recovery, Maintenance Plan and Downloads
<i>Week 2</i>	PC Setup, How Computers Work, How Software and Hardware Work Together
<i>Week 3</i>	The System Board, Floppy Drives and Hard Drives

<i>Week 4</i>	Multimedia, Troubleshooting Fundamentals, Supporting I/O Devices
<i>Week 5</i>	Electricity and Power Supplies, Purchasing a PC or Building Your Own
<i>Week 6</i>	Operating Systems
<i>Week 7</i>	Networking Fundamentals, Printers and Notebook Computers, Windows Operating Systems Continued
<i>Week 8</i>	Preparation for Final Troubleshooting Exam