



EFFECTIVE: SEPTEMBER, 2007

CURRICULUM GUIDELINES

A. Division: Education Effective Date: September 2007

B. Department / Program Area: Commerce & Business Admin.
Computing Science And Information Systems

Revision ☐ New Course ☒

If Revision, Section(s)
Revised:
Date of Previous Revision:
Date of Current Revision:

C: CSIS1155 **D:** HARDWARE MAINTENANCE CONCEPTS **E:** 3

Subject & Course No.	Descriptive Title	Semester Credits
F: Calendar Description: This course teaches the theory and the practice of how to manage, maintain, troubleshoot and repair personal computers. Both the hardware and the operating system software are considered in depth. To augment the two-hour weekly lecture, students are expected to read and study on their own in preparation for the weekly laboratory. In the laboratory, students are expected to install drives, memory, various circuit boards, drivers, and operating systems. Operating system management tools such as disk, account, and configuration management are considered. Some operating systems considered are DOS, Windows 9x/Me, Windows NT/2000/XP. Computer networks are introduced. This course is the foundation from which students can get CompTIA A+ certified. Note: <i>Students who have received credit for CISY2255 will not receive further credit for CSIS1155.</i>		
G: Allocation of Contact Hours to Type of Instruction / Learning Settings Primary Methods of Instructional Delivery and/or Learning Settings: Lectures and Laboratory Number of Contact Hours: (per week for each descriptor) Lectures: 2 Hours per week Laboratories: 2 Hours per week Total: 4 Hours per week Number of Weeks per Semester: 15 Weeks X 4 Hours per Week = 60 Hours	H: Course Prerequisites: CSIS1110 or CISY1110 or approved equivalent	
	I: Course Corequisites: Nil	
	J: Course for which this Course is a Prerequisite CSIS2150, CSIS2350	
	K: Maximum Class Size: Lectures: 30 Laboratories: 10	
L: PLEASE INDICATE: <div style="display: flex; align-items: center;"> <input type="checkbox"/> Non-Credit <input type="checkbox"/> College Credit Non-Transfer <input checked="" type="checkbox"/> College Credit Transfer: </div> <p style="text-align: center;">SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)</p>		

M:	<p>Course Objectives / Learning Outcomes</p> <p>The student will be able to:</p> <ol style="list-style-type: none"> 1) install, using good industry practices, any field replaceable unit; such as RAM, drives, power supply, processor, etc; 2) install video, sound, and other cards and associated drivers; 3) install an OS (such as DOS, Windows 9X/Me, Windows NT/2000/XP, Vista); 4) diagnose computer problems; 5) fix such software problems as a corrupt/missing registry or other OS files; 6) perform routine management and maintenance such as backups, defragmentation, updates. 										
N:	<p>Course Content:</p> <ol style="list-style-type: none"> 1) Understanding the Boot Process and the DOS Command Line 2) Introduction to Hardware 3) Electricity and Power Supplies 4) Random Access Memory <ul style="list-style-type: none"> • Types • Installation • Management 5) Floppy and Hard-Drives <ul style="list-style-type: none"> • Installation • Partitioning, formatting • Troubleshooting and Maintenance 6) Windows 9x/Me <ul style="list-style-type: none"> • Installation • Management • Troubleshooting 7) Windows NT/2000/XP <ul style="list-style-type: none"> • Installation • Management • Troubleshooting 8) Introduction to Computer Networks 										
O:	<p>Methods of Instruction</p> <p>Lecture, assigned reading, laboratory demonstrations, and completion of laboratory assignments in the computer lab</p>										
P:	<p>Textbooks and Materials to be Purchased by Students</p> <p>Andrews, Jean, A+ Guide to Managing and Maintaining Your PC. Latest Edition, Course Technology</p> <p>Various media may be required such as floppy disks</p>										
Q:	<p>Means of Assessment</p> <table> <tr> <td>Participation</td><td>0 - 5%</td></tr> <tr> <td>Laboratory Assignments (Minimum: 8)</td><td>25 - 40%</td></tr> <tr> <td>Tests (2 minimum)</td><td>20 - 40%</td></tr> <tr> <td>Final Examination</td><td><u>25 - 40%</u></td></tr> <tr> <td>TOTAL</td><td><u>100%</u></td></tr> </table>	Participation	0 - 5%	Laboratory Assignments (Minimum: 8)	25 - 40%	Tests (2 minimum)	20 - 40%	Final Examination	<u>25 - 40%</u>	TOTAL	<u>100%</u>
Participation	0 - 5%										
Laboratory Assignments (Minimum: 8)	25 - 40%										
Tests (2 minimum)	20 - 40%										
Final Examination	<u>25 - 40%</u>										
TOTAL	<u>100%</u>										

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR Yes

Course Designer(s): J. L. (John) Girard

Education Council / Curriculum Committee Representative

Dean: Rosilyn G. Coulson

Registrar: Trish Angus

© Douglas College. All Rights Reserved.