



Effective: Spring 2023

COURSE I	NFORMATION						
Course Titl	e: Introduction to Com	puter Hardware	Course Number:	CSCI 130	Credits: 3		
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Total Wee	ks: 14 (Fall, Spring)	Total Hours:	Course Level:	☑ First Year	☐ Second Year		
	12 (Summer)			\square New	☐ Revised Course		
	(/			☐ Replacement			
				_ nepiacement	204.30		
Denartme	nt: Computer Sci	Department Head: M. O'Connor	Former Course C	ode(s) and Numb	per(s) (if applicable): N/A		
Departmen	iii. Computer scr	Department flead. W. O Comion	Torriler Course C	oue(s) and ivalino	er (s) (ii applicable). N/A		
Dro-roquis	ites (If there are no nre	requisites, type NONE): None					
TTC TCQUIS	ites (ii there are no pre	requisites, type itories. None					
Co-requisit	te Statement (List if ann	olicable or type NONE): None					
CO-requisit	te Statement (List ii app	sileable of type None. None					
Drachidad	Courses: None						
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COLIDSE	DESCRIPTION						
COURSE	DESCRIPTION						
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		hardware concepts, which includes	-				
		derstand the computer hardware sp	ecification, coming	urations, and con	ipatibility. They also should		
be able to	perform basic assembly	and issue diagnose.					
LEADAUNIC	COLITCOMATC						
	OUTCOMES						
Upon succe	essful completion of the	course, students will be able to:					
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	=	itecture of a computer system.					
	-	components of a computer system.					
• E>	cplain the functions of the	he hardware components					
• Co	onfigure hardware settir	ngs and diagnose basic hardware pr	oblems.				
INSTRUCT	TION AND GRADING						
Instruction	onal (Contact) Hours:						
	,						
Т	уре	Duration					
	ecture	39					
<u> </u>	Seminars/Tutorials	33					
	aboratory						
	ield Experience						
	•						
	Other (s <i>pecify):</i>						
LT	otal	39					
Grading System: Letter Grades ⊠ Percentage □ Pass/Fail □ Satisfactory/Unsatisfactory □ Other □							
Grading System: Letter Grades ⊠ Percentage □ Pass/Fail □ Satisfactory/Unsatisfactory □ Other □							
Specify passing grade: 50%							
Evaluation Activities and Weighting (total must equal 100%)							



COURSE OUTLINE

Assignments: 15% Specify number of, variety, and nature of assignments: 3 Assignments	Lab Work: 20%	Participation: 15% Specify nature of participation: In class performance and attendance	Project:	%
Quizzes/Test: %	Midterm Exam: 20 %	Final Exam: 30%	Other:	%

TEXT(S) AND RESOURCE MATERIALS

Provide a full reference for each text and/or resource material and include whether required/not required.

Required textbook: A+ Guide to IT Technical Support, Jean Andrews, Cengage 2022

COURSE TOPICS

List topics and sequence covered.

Week	Date	Topics	Assigned or Due work
1		Introduction	
2		Taking a computer apart and assembly	Lab 1
3		All about CPU	Lab 2
4		All about Motherboard / BIOS / UEFI	Lab 3 / Quiz 1
5		Memory	Lab 4
6		Hard drives / Cooling system	Lab 5
7		Midterm Exam	
8		Graphic cards	Lab 6
9		Power supply units	Lab 7
10		Network foundation	Lab 8 / Quiz 2
11		Computer Peripherals	Lab 9
12		Issue diagnoses and problem solving	Lab 10
13		Review	
14		Final Exam	

NOTES

- 1. Students are required to follow all College policies. Policies are available on the website at: Coquitlam College Policies
- 2. To find out how this course transfers, vi sit the BC Transfer Guide at: bctransferguide.ca
- 3. Weekly course topics and textbooks may vary.