Columbia College
Vancouver, Canada

Course Outline			
Term: Fall 2023	Course No: CSCI 101	Course Credits: 3	
Instructor: Jetic Gū	Course Section No: 14	Total Hours: 5	Total Weeks: 13
Instructor Office: Room No. 544 Main Campus	Course Title: Connecting with Computer Science	Main Campus, Room 412	
Instructor Email: jgu@columbiacollege.ca			
Class Meeting Days/Time: Monday and Thursday from 14:00 pm to 15:55 pm & Wednesday from 14:00 pm to 15:00 pm.			
Instructor Office Hours: M: 11:00-12:00; W: 11:00-12:00	Course Format: In person		
Course Prerequisites Math 090	Course Corequisites English 097		
Transferability to: visit bctransferguide.ca			

Course Description:
An overview of the history and fundamentals of computing and the connections with the arts, psychology, and biology. This course provides a thorough and rigorous overview of the fundamental issues concerning both hardware and software. No prior computing background is required.

Additional Course Details:

Required Texts/Readings/Learning Resources:
Weekly readings may be assigned here. Otherwise you do not need extra textbook.

Course Learning Outcomes: Upon successful completion of this course the student will be able to:

1. Overview on Information Technology and theories

- Understand the basics around computer
- Get familiar with the World Wide Web, computer networks, and other internet features
- Outline a brief look at the future of possible human and computer interface

2. Overview of Modern Multimedia Technology and its social impact
3. Fundamentals of modern web systems, database, network Infrastructure, and software engineering
4. Understand how to conduct academic research (especially related to computing science) using the internet, and present the findings professionally using computers
5. Special Topic: Cloud Computing and Smart Business Technologies
    - Cloud Computing infrastructure
    - Data analysis and its impact on businesses
6. Special Topic: The Work of Art in the Age of Mechanical Reproduction
    - Digital Art
    - Internet as medium for art and information
7. Special Topic: Overview on Artificial Intelligence
    - Computer Vision
    - Natural Language Processing
    - Signal Analysis and Computational Neuroscience

Course Content/Schedule*

Week	Topic(s)	Readings	Assessments	Briefly describe list (via number) the outcomes linked to the
1	Administrations Course Introduction	Introduction to IT		1, 2
2	Lec 1 Introduction to IT	Lec 1 Introduction to IT		1, 2
3	Lec 2 The World Wide Web	Lec 2 The World Wide Web	Assignment 1 due;	1, 2, 3
4	Lec 3 Multimedia Technology	Lec 3 Multimedia Technology		1, 2, 3
5	Lec 4 Web Systems Database, Network	Lec 4 Web Systems Database, Network	Assignment 2 due;	1, 2, 3
6	Lec 5 Research Topics (Project)	Lec 5 Research Topics (Project)		4
7	All covered content	All covered content	Midterm	

8	Lec 6 Cloud Computing	Lec 6 Cloud Computing		4, 5
9	Lec 7 Artificial Intelligence	Lec 7 Artificial Intelligence		4, 7
10	Lec 8 Digital Art	Lec 8 Digital Art	Assignment 3 due;	4, 6
11	Lec 9 Computerised Society	Lec 9 Computerised Society		1, 2, 3, 4, 5, 6, 7
12	Final Project Presentation	-	Assignment 4 due;	1, 2, 3, 4, 5, 6, 7
13	Final Essay Submission	-		
14	Final Exam			

*Timing subject to change

Evaluation Criteria

Evaluation Methods	%	Comments
Final Project Presentation	15	
Final Essay	15	
Assignments	20	
Midterm	20	
Final	30	
Total	**100%**	

Classroom Code of Conduct:

Students at Columbia College are expected to show respect for the rights of other students, in particular the right to study and learn. Any behaviour in a classroom that interferes with the instructor's ability to conduct the class will be treated as disruptive; the penalties for disruptive behaviour are set out in the College Calendar, including suspension and expulsion from the College. In general students are expected to be attentive and courteous during class and lab time, to complete assigned work and to accept responsibility for their own achievement. In particular:

1. students will aim to arrive at all classes early so as to be ready when the class begins – this means taking a seat and getting out paper, pens, necessary texts and so on before the class starts.

2. students will not expect to leave the class before the instructor has finished. On those rare occasions when a student must leave a class early he/she should seek the permission of the instructor before the class starts. If a student must excuse himself/herself during a class the student should request permission and leave as quietly as possible.

3. Mobile phones (and similar electronic devices) will be turned off during classes, not simply switched to "vibrate" mode. They may be used during a class to source course material, etc., only if the instructor gives his/her explicit permission.
4. students will speak respectfully when asking a question or answering a question posed by the instructor.
5. students may not eat or drink during classes unless the instructor indicates that this is acceptable in his/her class

Cheating and Plagiarism Policy:
Columbia College expects all students to uphold the principle of academic honesty. Cheating and plagiarism (presenting another person's words or ideas as one's own) are not acceptable behaviour at any educational institution. Depending on the severity of the offense such acts can result in a grade of zero on the test or assignment, a failing grade (F) in the course, or expulsion from the college. In all cases, the circumstances and the penalty are recorded in the student's file.

College Policies:
Please see the college calendar for more information and a complete list of academic policies.
Course-Specific Policies: (*If any, optional)*

Grading System

Grade Percentage	Grade Points	Rating
A+ 90-100	4.3	Excellent
A 85-89	4.0	
A - 80-84	3.7	Very Good
B+ 76-79	3.3	
B 72-75	3.0	
B - 68-71	2.7	Good
C+ 64-67	2.3	
C 60-63	2.0	Satisfactory
C- 55-59	1.7	
D 50-54	1.0	Marginal Pass
F 0-49	0.0	Fail
N Below 50	0.0	Failure for non-completion or non-attendance

Please see the college calendar for more information about grading and related policies.