Columbia College
Vancouver, Canada

Course Outline			
Term: Fall 2025	Course No: CSCI 101	Course Credits: 3	
Instructor: Jetic Gū	Course Section No: 11	Total Hours: 5	Total Weeks: 13
Instructor Office: Room No. 544 Main Campus	Course Title: Connecting with Computer Science	Main Campus Room 420	
Instructor Email: jgu@columbiacollege.ca			
Class Meeting Days/Time: TF: 10:00-11:50; One Hour FLEX			
Instructor Office Hours: TF: 12:00-14:00	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**
Labs	15	
Quizzes	10	
Project	15	
Midterm	25	
Final	35	
Total	**100%**	

Classroom Code of Conduct:

Students will be prepared for any appointments with the instructor or other students – this means logging in and getting out paper, pens, necessary texts and so on before the appointment starts.

1. Students will communicate respectfully when interacting with the instructor or classmates.
2. Students will respectfully communicate with the instructor and classmates in discussion groups, office hours, and in any type of electronic communication.
3. Students will respond to messages/emails from the instructor or other classmates in a timely manner.

Cheating and Plagiarism Policy:

I expect 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 anywhere. Depending on the severity of the offence such acts can result in a grade of zero on the test or assignment, a failing grade (F) in the course, or expulsion. In all cases, the circumstances and the penalty are recorded in the student's file. **Do not share your files with others. Do not let others copy or mimic your files. You may take inspiration, but any work you do must be original.** Failure to comply will result in plagiarism charges to both the party providing assistances, as well as the party receiving.

Academic misconduct not covered in the College's Cheating and Plagiarism Policy, is covered under Academic Policy 2.6 Academic Misconduct. It can be found at the following link: https://www.columbiacollege.ca/about/college-policies/ . You are expected to familiarise yourself with this policy, as it covers serious issues including uploading copyright material, submission of falsified records and other strategies to gain unfair academic advantage. If you are unclear on the contents, please ask for clarification.

Course-Specific Policies:

1. Late Submission / Resubmission Policy

If a student is affected by personal issues such as sickness, injuries, the passing of a relative, or other traumatising experiences, they should contact an advisor and seek professional help and their instructor will try to accommodate as much as possible. Otherwise, late submissions and resubmission are not allowed beyond the original due.

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.