UNIVERSITY OF CALGARY
FACULTY OF SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
COURSE OUTLINE

1. **Course:** CPSC 217, Introduction to Computer Science for Multidisciplinary Studies I -- Fall 2017

   Lecture 01: (MWF, 10:00-10:50 in ES162)

Instructor Name	Email	Phone	Office	Hours
Benjamin Stephenson	ben.stephenson@ucalgary.ca	(403) 220-6781	ICT 704	Tuesdays from 10:00 to noon

   Lecture 02: (MWF, 15:00-15:50 in ES162)

Benjamin Stephenson	ben.stephenson@ucalgary.ca	(403) 220-6781	ICT 704	Tuesdays from 10:00 to noon

   Course Site:

   D2L: CPSC 217 L01-(Fall 2017)-Introduction to Computer Science for Multidisciplinary Studies I

   http://www.cpsc.ucalgary.ca/~bdstephe/217_F17

   Department of Computer Science: ICT 602, 403 220-6015, cpsc@cpsc.ucalgary.ca

2. **Prerequisites:**

   See section 3.5.C in the Faculty of Science section of the online Calendar.

   > Credit for both Computer Science 217 and any of 215, 231, 235 or Computer Engineering 339 or Engineering 231 and 233 will not be allowed.
   > Computer Science 101 is strongly recommended as preparation for this course. See the statements at the beginning of the Computer Science entry.

3. **Grading:**

   The University policy on grading and related matters is described in F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Component(s)	Weighting %
Exercises	3
Assignment 1	6
Assignment 2	7
Assignment 3	7
Assignment 4	7
Midterm Exam	30
Final Exam	40

   Each of the above components will be given a letter grade using the official University grading system. The final grade will be calculated using the grade point equivalents weighted by the percentages given above and then converted to a final letter grade using the official University grade point equivalents.

   In order to obtain a final grade of C- or better in the course, a student must achieve a weighted average of C- (1.7) or better on the midterm and final exams. Students who achieve a higher grade on the final exam than on the midterm exam will have their midterm exam grade replaced with their final exam grade.

4. **Missed Components of Term Work:**

   The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in Section 3.6. It is the student's responsibility to familiarize himself/herself with these regulations. See also Section E.3 of the University Calendar

5. **Scheduled out-of-class activities:**

   The following out of class activities are scheduled for this course:

   Common Midterm, scheduled for 90 min on Wednesday November 1 2017 at 5:00 pm ST 140 and ST 148

6. **Course Materials:**

   The Python Workbook, Ben Stephenson, Springer (Recommended)

   Starting Out with Python, Tony Gaddis, Addison Wesley (Recommended)

   (Students are welcome to use the second, third or fourth edition of Starting Out with Python. Students are strongly discouraged from using the first edition because most of the examples in the first edition do not work with the most recent version of Python).

7. **Examination Policy:**

   No aids are allowed on tests or examinations

   Students should also read the Calendar, Section G, on Examinations.

8. **Approved Mandatory and Optional Course Supplemental Fees:**

   There are no mandatory or optional course supplemental fees for this course

9. **Writing across the Curriculum Statement:**

   See Section E.2 of the University Calendar.

10. **Human studies statement:**

    Students will not participate as subjects or researchers in human studies.

11. **OTHER IMPORTANT INFORMATION FOR STUDENTS:**

    a. **Misconduct:** Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under Section K. Student Misconduct to inform yourself of definitions, processes and penalties.

    b. **Assembly Points:** In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on assembly points.

    c. **Academic Accommodation Policy:** Students needing an Accommodation because of a Disability or medical condition should contact Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities available at procedure-for-accomodations-for-students-with-disabilities_0.pdf.

       Students needing an Accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Undergraduate Affairs of the Department of Computer Science, Nathaly Verwaal by email nmverwaa@ucalgary.ca or phone 403-220-8485.

    d. **Safewalk:** Campus Security will escort individuals day or night (www.ucalgary.ca/security/safewalk/) . Call 403-220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.

    e. **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see also www.ucalgary.ca/legalservices/foip.

    f. **Student Union Information:** VP Academic, Phone: 403-220-3911 Email: suvpaca@ucalgary.ca. SU Faculty Rep. Phone: 403-220-3913 Email: sciencerep@su.ucalgary.ca; Student Ombudsman, Email: suvpaca@ucalgary.ca

    g. **Internet and Electronic Device Information:** You can assume that in all classes that you attend, your cell phone should be turned off unless instructed otherwise. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time unless specifically permitted by the instructor. If you violate this policy, you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.

h. **Surveys:** At the University of Calgary, feedback through the Universal Student Ratings of Instruction (USRI) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these Surveys.

i. **SU Wellness Center:** The Students Union Wellness Centre provides health and wellness support for students including information and counselling on physical health, mental health and nutrition. For more information, see www.ucalgary.ca/wellnesscentre or call 403-210-9355.

Department Approval:	Electronically Approved	**Date:** 2017-09-01 12:28
Associate Dean's Approval for out of regular class-time activity:	Electronically Approved	**Date:** 2017-09-05 10:42

Course Outcomes

1. Develop solutions to small scale problems using procedural problem solving techniques.
2. Compute the outcome of a program involving a variety of different programming concepts including complex expressions, conditionals, while and for loops, functions, lists, dictionaries, strings, files and exceptions.
3. Create and debug programs that make effective use of a variety of different programming concepts including complex expressions, conditionals, while and for loops, functions, lists, dictionaries, strings, and files.
4. Use existing modules to make use of code developed by others, including modules for the creation of graphical programs.
5. Summarize and/or apply a selection of non-programming topics such as the history of computing, disciplines within the broader field of computer science, encoding techniques, challenges associated with floating point numbers and introductory database concepts, or others.