COSC 121 – Computer Programming II
Winter 2021 – Term 2

Instructor: Dr. Abdallah Mohamed
Lectures : Tue: 12:30-14:00 PST **FIP-204 (in-person)**
Thu: Asynchronous (mostly) - see Course Schedule below.

Labs:

L2A	Wed 16:00-18:00 PST	Online	TA: Stuart McGorman
L2B	Fri 14:00-16:00 PST	Online	TA: Luke Roblesky
L2C	Mon 08:00-10:00 PST	Online	TA: Luke Roblesky
L2D	Tue 08:00-10:00 PST	Online	TA: Dima Zhuravel
L2F	Fri 10:00-12:00 PST	Online	TA: Oluwayemisi Ogungbemi
L2G	Mon 14:00-16:00 PST	Online	TA: Allan Cheboiwo
L2H	Wed 14:00-16:00 PST	Online	TA: Justin Schoenit
L2I	Tue 16:00-18:00 PST	Online	TA: Tatiana Urazova
L2J	Tue 16:00-18:00 PST	Online	TA: Justin Schoenit
L2K	Mon 16:00-18:00 PST	Online	TA: Stuart McGorman
L2L	Mon 14:00-16:00 PST	Online	TA: Dima Zhuravel
L2M	Thu 10:00-12:00 PST	Online	TA: Tatiana Urazova
L2O	Thu 16:00-18:00 PST	Online	TA: Allan Cheboiwo

Office hours: Mon (12:30-13:00 PST), Tue (14:00-15:00 PST) In-person, SCI-108.
Thu (12:30-14:00 PST) Zoom:7562761523
or by appointment

E-mail: *Instructor*: abdallah.mohamed@ubc.ca
TAs: use the clickable TA names above.

Course URL: https://canvas.ubc.ca
https://people.ok.ubc.ca/abdalmoh/teaching/121

Course Description

COSC 121 (3) Computer Programming II: Advanced programming in the application of software engineering techniques to the design and implementation of programs manipulating complex data structures. [3-2-0]

Prerequisites **A score of 60% or higher in one of COSC 111, COSC 123.**

Students who lack the prerequisites should not be registered for this course and will receive a failing grade if they remain in it. Any exceptions must be brought to the attention of the instructor immediately.

Assessment

- Lecture quizzes 7 % (***clickers, online quizzes***. Full mark for correctly answering 80% of all questions)
- Lab work: (total: 23%)
  - Lab Exercises no grade
  - Assignments 16 %
  - Project 7 %
- Exams (total: 70%)
  - Midterm 1 5 % - 10 % (45 minutes, **in-person during scheduled lecture time**)
  - Midterm 2 12 % - 20 % (75 minutes, **in-person during scheduled lecture time**)
  - Final 40 % - 53 % (150 minutes, cumulative, **in-person**)

The exams mark is calculated based on the ***best*** of the 4 options below. This means if a student does not do well on an exam, then this exam will have less weight.

	Option 1	Option 2	Option 3	Option 4
Midterm 1	5 %	5 %	10 %	10 %
Midterm 2	12 %	20%	12 %	20 %
Final	53 %	45 %	48 %	40 %

Final grades will be based on the evaluations listed above and the final grade will be assigned according to the standardized grading system outlined in the UBC Okanagan Calendar.

***Passing criteria*:** to pass the course, a student must receive: (1) an overall course grade of at least 50%, and (2) a combined grade of at least 50% on the exams, midterms and final (based on the best option from the above table). Otherwise, the student will be assigned a maximum mark of 45. Students will not be able to receive a passing grade if they are not registered to the required lab section.

Grading Practices: Faculties, departments, and schools reserve the right to scale grades in order to maintain equity among sections and conformity to University, faculty, department, or school norms. Students should therefore note that an unofficial grade given by an instructor might be changed by the faculty, department, or school. Grades are not official until they appear on a student's academic record.

http://www.calendar.ubc.ca/okanagan/index.cfm?tree=3,41,90,1014

Grievances and Complaints: If you have any complaint related to this course, e.g., you feel your mark was unfair or incorrectly recorded, **please make sure that I am aware of the problem as soon as possible.** You may talk first to someone else if you do not feel, for whatever reason, that you can directly approach me. If the complaint is not resolved to your satisfaction, you should e-mail the Associate Head, Dr. Yves Lucet at (yves.lucet@ubc.ca) or the Department Head, Dr. John Braun at (john.braun@ubc.ca).

Course Format

The class will be offered as follows:

1. **Until ~~Jan 21~~ Feb 7, 2022: Fully online teaching** (i.e. lectures, office hours, etc)
2. **Starting ~~Jan 21~~ Feb 7, 2022: Blended teaching as explained in the remaining part of this section.**

Lectures*:* This course uses a blended form of learning (i.e., both synchronous and asynchronous). There are **two lectures every week** (*see the course schedule near the end of this syllabus document*):

1) In-person lecture *(synchronous):*

- This is an in-person lecture given **every Tuesday** as indicated on page 1 of this syllabus.
- The lecture will be streaming live through Zoom : 7562761523 (password given on Canvas)
- I will also *try* to record these lectures and post them online (but this is not guaranteed).

2) Pre-recorded lecture *(asynchronous):*

- This is a pre-recorded video for the lecture topics.
- You can play the video recordings at different speeds, skip or rewind parts of the videos as needed.
- You can watch the recording at *any time*, **preferably before the asynchronous lecture**. If this is not possible, you **must** watch this lecture **before the next in-person lecture**.
- We will use the scheduled lecture time on **Thursday** to answer any questions related to the recording. **I will not repeat the lecture during this time, but I will answer questions and provide more practice on the lecture material**.

Lecture Quizzes: We will have MCQs questions in almost every lecture, synchronous or asynchronous.

- **For pre-recorded videos**:
  - Questions will be embedded in the videos.
  - The embedded questions will *not* count towards your grade.
  - These same questions will be posted as Canvas quizzes that **will be counted** towards your grade
  - You must finish this quiz before the posted deadline.
- **For in-person lectures**:
  - Questions will be displayed **during the lecture, and they can only be answered using iClickers.**
  - Your iClicker responses will be counted towards your grade.
  - **Create an iClicker Cloud account** using these Instructions: https://lthub.ubc.ca/guides/iclicker-cloud-student-guide. Because the registration data is stored in the US, you can use a pseudonym name and email address. However, you **must link your iClicker account to Canvas**.
  - You can submit your responses through the web interface (must sign-in to your iClicker account) or phone app (search for iClicker Reef on our play/app store). Whether you use the web interface or phone app, you must "join" class on the clickers system after the class starts.

Labs

- Labs will be offered online using livestream (Your TA will announce the format).
- Labs are **not** necessarily recorded. Your TA will provide more information during your first lab.
- Each student **must be registered in one lab** for his/her assignments to be accepted.

Exams

- ***Platform*:** Exams will be held **in-person**. Midterms will be written in the same classroom used for the lectures, during the scheduled lecture times. Location for the final exam will be announced later..
- **Scope:** Exam will focus on material discussed in the lectures. The only language accepted for coding in the exams and assignments is **Java**.
- ***Format*:** The examinations in this course are all *closed-book*, so you are NOT permitted to access any of the course materials, including your notes, during the exam. You are also NOT to communicate with anyone about the exam during the scheduled write time or after the examination – you are to work independently. Communication with other students (written, text, verbal, etc.) is not permitted and will constitute Academic Misconduct.

Will Class Switch to Fully Online Mode?

The original plan is to have a blend form of in-person and online sessions as explained in the above Course Format section. However, we may be required to switch to fully online mode due to a number of reasons based on how things evolve (e.g. Covid19 exposure in class, new health regulations, etc.). **If we have to switch to fully online mode, all lectures and exams will be offered online.**

Required Equipment

- For the online portion of the course**:** all students must have access to **computers** with **reliable internet** + **microphone** + **webcam**. Students are encouraged to check out this link: https://keeplearning.ubc.ca/setting-up.
  - As indicated above, we may be required to switch to fully online teaching. Therefore, make sure you have access to (a computer + reliable internet + webcam + mic + quite room) **as soon as possible**.
- ***For class exercises*:** all students are expected to have an **iClicker Cloud** account (instructions here).

Missed Exam and Late Assignments

Missed exams: If a student misses an exam without an acceptable excuse according to the UBC Okanagan's policy on excused absences from examinations, the mark received will be zero. If an acceptable excuse is provided to the instructor, then for:

- ***Midterm exams***: the grade will be combined with the marks of the final exam so that the exams are still worth **70 %** of the total grade. If a student misses both midterms with acceptable excuse, a make-up exam *might be* arranged for the second midterm. Note that a make-up exam may have a question format different from the regular exam.
- ***Final exams***: all requests for changes to final exams must be sent to the office of the Associate Dean of Students (bsasdeansoffice.ubco@ubc.ca). Note the following:
  - Except in the case of examination clashes and hardships (three or more formal examinations scheduled within a 24-hour period) or unforeseen events, students will be permitted to apply for out-of-time final examinations only if they are representing the University, the province, or the country in a competition or performance; serving in the Canadian military; observing a religious rite; working to support themselves or their family; or caring for a family member. Unforeseen events include (but may not be limited to) the following: ill health or other personal challenges that arise during a term and changes in the requirements of an ongoing job. Further information on Academic Concession can be found under Policies and Regulation in the Okanagan Academic Calendar http://www.calendar.ubc.ca/okanagan/index.cfm?tree=3,48,0,0
  - a make-up exam may have a question format different from the regular exam

Missed clicker questions: no answers will be accepted except those provided during the lecture time using your own clicker device. Remember that, you will get the full mark if you correctly answer **80%** of all questions.

Late assignments/project: Except for extreme situations (e.g., illness, childbirth, or bereavement supported by a written proof such as a doctor's note), the following policy is applied to late assignments or project:

- **0 to 24 hours late**: 25% mark deduction (e.g., if an assignment is worth 20 marks, then 5 marks will be deducted from the assignment mark; no negative marks will be given.).
- **24 to 48 hours late**: 50% mark deduction
- **More than 48 hours**: no mark.

One-time Extension Policy

- Everyone can get a one-time extension for **3 days** for any assignment of their choice. Use this extension wisely as I will give no additional extensions unless in very very extreme situations (e.g. admission to hospital, death in family). If you used this extension then asked for another one due to having too many exams/assignments, travelling, etc. you will not get a second extension.
- This policy only applies to assignments A1, A2, etc., and it does ***not*** apply to last assignment or the Project.
- **You do not have to ask for permission to use the 3-day extension**. Just inform your TA directly (no need to email the professor, but you must inform your TA)

Final Examinations Period

The examination period is determined in the university calendar (http://www.calendar.ubc.ca/okanagan). Except in the case of examination clashes and hardships (three or more formal examinations scheduled within a 24-hour period) or unforeseen events, students will be permitted to apply for out-of-time final examinations only if they are representing the University, the province, or the country in a competition or performance; serving in the Canadian military; observing a religious rite; working to support themselves or their family; or

caring for a family member. Unforeseen events include (but may not be limited to) the following: ill health or other personal challenges that arise during a term and changes in the requirements of an ongoing job.

Further information on Academic Concession can be found under Policies and Regulation in the Okanagan Academic Calendar http://www.calendar.ubc.ca/okanagan/index.cfm?tree=3,48,0,0

Expectations

It is my best day when all my students pass the course, receive good grades, and feel the course was useful. For that to happen, help me by putting enough effort into the course. I expect that you will attend all classes and participate in class discussions, read the lecture notes **before** the lecture, attend all labs, finish all your assignments on time, and practice on the course materials. I also expect that you will spend (on average) **at least six hours per week** in out-of-class relevant activities (homework, preparation, practicing).

COVID-19 Safety

You are required to wear a nonmedical mask during our class meetings, for your own protection and for the safety and comfort of everyone else in the class. For our in-person meetings in this class, it is important that all of us feel as comfortable as possible engaging in class activities while sharing an indoor space. Non-medical masks that cover our noses and mouths are a primary tool for combating the spread of COVID-19. Further, according to the provincial mandate, masks are required in all indoor public spaces including Lobbies, hallways, stairwells, elevators, classrooms and labs. There may be students who have medical accommodations for not wearing a mask. Please maintain a respectful environment. UBC Respectful Environment Statement."

Textbook and Reference Materials

- Course website and discussion forum on Canvas
- Lecture Notes (available electronically).
- Textbook: Y. D. Liang, Intro to Java Programming and Data Structures, 11th Edition, ISBN: 0134670949, 2017 (*Earlier editions are ok)*.
    - If you wish, you can order a physical copy online, e.g., from Pearson website, Amazon, etc.
    - eBook format can be obtained through the UBC bookstore (https://shop.bookstore.ubc.ca/t-campus-ebookstore-okanagan.aspx) or VitalSource (https://www.vitalsource.com).
    - The UBC Bookstore is also providing Permalinks: unique, permanent links to the digital versions of the material you have chosen for your class. Each item has its own specific permalink that will connect your students directly to the correct material to purchase. Please make them available to your students via email, course syllabus or within the Canvas LMS https://www.campusebookstore.com/integration/AccessCodes/default.aspx?bookseller_id=240&Course=COSC+121+101&frame=YES&t=permalink.
    - This book comes with supplement materials
        - MyProgrammingLab (practice questions and exercises along with guidance and answers). This is optional and can be accessed here. Course id: UOFB-51363-PFFM-51
        - Companion website (answers to review questions, solutions to some programming exercises, and interactive quizzes): http://wps.pearsoned.com/ecs_liang_ijp_10

  Optional resources/textbooks:
    - (free, online): David J. Eck, Introduction to Programming Using Java, Sixth Edition, available at

http://math.hws.edu/javanotes/

- P. Deitel and H. Deitel , Java How To Program (late objects) (10th Edition), ISBN: 0132575655, 2014
- Many websites provide coding activities for fun. Here are two examples: codewars.com, codingame.com. note that I am not affiliated with any of the two websites. Also, note that not some of the questions on these websites are not covered in the course.

Supplemental Learning (SL)

This course may come with SL sessions. SL is an academic enhancement program designed to help students match what they are learning in class with how to best engage with and study that information. SL should provide additional support for students outside of class time. More information about SL program will be given **during class time** *and* can be found on: https://students.ok.ubc.ca/academic-success/learning-hub/supplemental-learning/

Academic Integrity

The academic enterprise is founded on honesty, civility, and integrity. As members of this enterprise, all students are expected to know, understand, and follow the codes of conduct regarding academic integrity. At the most basic level, this means submitting only original work done by you and acknowledging all sources of information or ideas and attributing them to others as required. This also means you should not cheat, copy, or mislead others about what is your work. Violations of academic integrity (i.e., misconduct) lead to the breakdown of the academic enterprise, and therefore serious consequences arise and harsh sanctions are imposed. For example, incidences of plagiarism or cheating may result in a mark of zero on the assignment or exam and more serious consequences may apply if the matter is referred to the President's Advisory Committee on Student Discipline. Careful records are kept in order to monitor and prevent recurrences.

A more detailed description of academic integrity, including the University's policies and procedures, may be found in the Academic Calendar at: http://okanagan.students.ubc.ca/calendar/index.cfm?tree=3,54,111,0 and at https://science.ok.ubc.ca/student-resources/academic-integrity

Cooperation vs. Cheating

Working with others on assignments is a good way to learn the material and we encourage it. However, there are limits to the degree of cooperation that we will permit. Any level of cooperation beyond what is permitted is considered cheating.

When working on programming assignments, you must work only with others whose understanding of the material is approximately equal to yours. In this situation, working together to find a good approach for solving a programming problem is cooperation; listening while someone dictates a solution is cheating. **You must limit collaboration to a high-level discussion of solution strategies**, and stop short of actually writing down a group answer. Anything that you hand in, whether it is a written problem or a computer program, must be written by you, from scratch, in your own words/code. **If you base your solution on any other written solution, you are cheating. If you provide your solution for others to use, you are also cheating.**

Important Dates

http://www.calendar.ubc.ca/okanagan

Course Schedule

(*tentative*)

The course schedule contains the most up-to-date information and important dates for main events such as assignments due dates and tests. Note that these dates and topics are subject to change. Any such change will be announced to students.

LAB EXERCISES: Before every assignment, you should start by practicing on easy exercises related to what we covered in the lecture. You are **not** required to submit your solution for these exercises. On contrary, I will provide the solutions along with the questions. However, to properly learn, you must try on your own first then compare your solutions to mine. If you have a bug in your code or something is not clear to you, don't hesitate to ask your TA, peers, or me. The aim is for you to practice on simple questions before attempting the assignment. Exercises are denoted **E1, E2, etc**. in the schedule below.

ASSIGNMENTS: In addition to lab exercises, you should also work on a new assignment in almost every lab. Solutions for these assignments are *not* given to you. Instead, you should submit your solution to Canvas before the due date. Marks are given based on the *correctness* of the solution as well as the structure and formatting of your code. The aim is to evaluate your work and help you to learn (based on the feedback you receive from the TA). Assignment and exercise questions are carefully designed to prepare you to exams. Assignments are denoted **A1, A2, etc**. in the schedule below.

PROJECT: You will also work on a project that aims to give you a hands-on experience of using the topics learned in one relatively large program. Labs will decompose this large problem into several smaller ones manageable by students. These parts are indicated as **P1, P2, etc**. in the schedule below. Guidance will be given during class and lab time for different parts. As the semester advances, less guidance will be provided and you will be more and more expected to come up with your own design.

NO GROUP WORK IS ALLOWED: For all lab work, you may talk with others about the given problems and which parts of the course they are related to, but in all cases, you must **write your own code and never share your code**! Please note that we use **special software to detect plagiarism** in all submitted code.

DUE DATES: The due dates of the assignments and project parts are usually **one or two weeks from YOUR LAB day. All due dates are at 11:59 pm**. The due dates are written in the schedule below in the form: "**due in *W*$_n$**", where *W* stands for "week" and *n* is the week number. For example, **A1 is "due in W3"** means that A1 is due in the third week, which is one week after YOUR lab section at 11:59 pm. There are some exceptions where one specific due date is given for all students as shown below.

WEEK	LECTURE #	DATE	TOPICS	Livestream	Recording	READINGS (based on 10th Ed)	LABS
	L1	Tue 11 / 1	Intro to the Course, OOP basics (revision) Intro to inheritance	x			No labs during week *W1*
W1	L2	Thu 13 / 1	Inheritance, array of objects, `final`, visibility modifiers revisited, `Object`		x	CH 9.1 - 11.6	
W2	L3	Tue 18 / 1	Polymorphism	x		CH 9.1 - 11.6	**E1:** no need to submit **P1**: due in **W3**
	L4	Thu 20 / 1	Dynamic binding Object casting, `instanceOf`, `equals`		x	CH 11.7 - 11.10	
W3	L5	Tue 25 / 1	Abstract Classes, intro to interfaces	x		CH 11.7-11.10, 13	**E2:** no need to submit **A1**: due in **W4**
	L6	Thu 27 / 1	User-defined Interfaces Built-in interfaces: Comparable, Cloneable		x	CH 13	
W4	L7	Tue 1 / 2	Exception Handling	x		CH 12	**E3:** no need to submit **A2, P2:** due in **W5**
	L8	Thu 3 / 2	Text I/O ***Midterm 1 Revision***		x	CH 12	
W5	L9	Tue 8 / 2	Binary I/O intro (30 minutes) **Midterm 1 (45 min, in-class, *L1 to L6*)**	x		CH 17	**E4:** no need to submit **A3:** due in **W6**
	L10	Thu 10 / 2	Binary I/O, cont.		x	CH 17	
W6	L11	Tue 15 / 2	Recursion	x		CH 18	E5: no need to submit **A4, P3:** due in **W8** *Midterm 1 QAs*
	L12	Thu 17 / 2	Recursion, cont.		x	CH 18	
W7		Tue 22 / 2 Thu 24 / 2	**No class: Midterm Break**				**No Labs: Midterm Break**
W8	L13	Tue 1 / 3	ArrayLists , Intro to Generics	x		CH 11.11 - 11.15 CH 19	**E6:** no need to submit **A5:** due in **W9**
	L14	Thu 3 / 3	ArrayLists , Intro to Generics, cont.		x		
W9	L15	Tue 8 / 3	List, Stacks, and Queues	x		CH 20	**E7:** no need to submit **A6:** due in **W10**
	L16	Thu 10 / 3	List, Stacks, and Queues, cont.		x	CH 20	
W10	L17	Tue 15 / 3	Implementing LinkedList	x		CH 24	**E8 part1,2:** no need to submit **A7:** due in **W12**
	L18	Thu 17 / 3	**Midterm Revision** *(it is also suggested to watch L20 here to help with A8)*		x		
W11	L19	Tue 22 / 3	**Midterm 2 (in-class, *L1 to L16 with more focus on L7 to L16*)**	x			**A8, P4**: due in **W12**
	L20	Thu 24 / 3	Impl. ArrayList, Stacks, and Queues		x	CH 24	
W12	L21	Tue 29 / 3	Sorting	x		CH 23	**E9:** no need to submit **A9:** due on Apr 5 *Midterm 2 QAs*
	L22	Thu 31 / 3	Q/A session (no new content)		x		
W13	L23	Tue 5 / 4	Sorting, cont.	X		CH 32	*No new assignments, but TAs will be available to answer your questions.*
	L24	Thu 7 / 4	**Final Revision (in-person)**	x			

Class time

Lectures will involve, besides explaining course materials, working on design examples and in-class exercises. Class attendance and taking notes are expected, and students are responsible for all material covered in class. You are also expected to respect the other members of the class as well as the instructor. Inappropriate class behavior is not allowed (e.g., talking on cell phones, engaging in non-class activities, sleeping, use disrespectful language, etc.).

Course Discussion Forum

The course discussion forum is used for exchanging ideas, asking questions, and receiving answers related to the course from other students. If you don't understand something, you may ask on the forum so that everyone can benefit from the answer. If you are not clear about an answer that was given, don't create a new thread. Just add a reply to the original thread asking for clarification.

In all cases, a respectful and academic atmosphere must be maintained. You should not post private information on the discussion forum. You must not share answers to assignments with anyone, on the forum, or anywhere else.

Communication

Email is the best way of communication; you can use my email above. You can also see me outside the office hours if my door is open and I have time to meet with you. However, to guarantee I can spend time with you, email for an appointment. For a prompt response, **put your course number in the subject of the email** (i.e., COSC121: subject).

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Student Resources

Disability Assistance: The Disability Resource Centre ensures educational equity for students with disabilities, injuries or illness. If you are disabled, have an injury or illness and require academic accommodations to meet the course objectives, visit our website for more information: http://students.ok.ubc.ca/drc/welcome.html or contact the DRC at: drc.questions@ubc.ca

Online Tutoring: Students should look to find a tutor who supports their subject matter at a time that suits them, and then must click on the 'online tutoring' button above the schedule for immediate online access to a tutor via Collaborate Ultra. https://students.ok.ubc.ca/academic-success/learning-hub/math-science-tutoring/

Equity, Human Rights, Discrimination and Harassment: UBC Okanagan is a place where every student, staff and faculty member should be able to study and work in an environment that is free from human rights based discrimination and harassment. If you require assistance related to an issue of equity, discrimination or harassment, please contact the Equity Office, your administrative head of unit, and/or your unit's equity representative.
UBC Okanagan Equity Advisor: ph. 250-807-9291; E-mail: equity.ubco@ubc.ca; Web: equity.ok.ubc.ca

Health & Wellness: At UBC Okanagan health services to students are provided by Health and Wellness. Nurses, physicians and counsellors provide health care and counselling related to physical health, emotional/mental health and sexual/reproductive health concerns. As well, health promotion, education and research activities are provided to the campus community. If you require assistance with your health, please contact Health and Wellness for more information or to book an appointment.
UNC 337; Email: *healthwellness.okanagan@ubc.ca* ; Web: www.students.ok.ubc.ca/health-wellness

Sexual Violence Prevention and Response Office (SVPRO): A safe and confidential place for UBC students, staff and faculty who have experienced sexual violence regardless of when or where it took place. Just want to talk? We are here to listen and help you explore your options. We can help you find a safe place to stay, explain your reporting options (UBC or police), accompany you to the hospital, or support you with academic accommodations. You have the right to choose what happens next. We support your decision, whatever you decide. Visit svpro.ok.ubc.ca or call us at 250.807.9640

Independent Investigations Office (IIO): If you or someone you know has experienced sexual assault or some other form of sexual misconduct by a UBC community member and you want the Independent Investigations Office (IIO) at UBC to investigate, please contact the **IIO**. Investigations are conducted in a trauma informed, confidential and respectful manner in accordance with the principles of procedural fairness. You can report your experience directly to the **IIO** via email: director.of.investigations@ubc.ca or by calling 604.827.2060 or online by visiting investigationsoffice.ubc.ca

The Hub: The Student Learning Hub (LIB 237) is your go-to resource for free math, science, writing, and language learning support. The Hub welcomes undergraduate students from all disciplines and year levels to access a range of supports that include **tutoring in math, sciences, languages, and writing, as well as help with study skills and learning strategies**. For more information, please visit the Hub's website (students.ok.ubc.ca/student-learning-hub) or call 250-807-9185.

SAFEWALK: Don't want to walk alone at night? Not too sure how to get somewhere on campus? **Call Safewalk at 250-807-8076.** For more information: security.ok.ubc.ca/safewalk/ or download the UBC SAFE – Okanagan app.

Ombuds Office: The Ombuds Office offers independent, impartial, and confidential support to students in navigating UBC policies, processes, and resources, as well as guidance in resolving concerns related to fairness. **UNC 227B;** 250.807.9818; email: *ombuds.office.ok@ubc.ca*; web: ombudsoffice.ubc.ca/ubc-okanagan-2