COSC 121 – Computer Programming II
Winter 2020 – Term 2

Instructor: Dr. Abdallah Mohamed

Class time/location: Wed 13:00-14:30PST *(live)* Fri 16:30-18:00PST *(asynchronous, mostly!)*

Lab time/location:

L2A	Tue	10:00-12:00 PST (online)	TA:	Elias Pinno
L2B	Thu	19:00-21:00 PST (online)	TA:	Tyler Rogers
L2D	Tue	13:00-15:00 PST (online)	TA:	Lucas Pozza
L2E	Mon	18:00-20:00 PST (online)	TA:	Tatiana Urazova
L2F	Thu	19:00-21:00 PST (online)	TA:	Tatiana Urazova
L2G	Wed	15:30-17:30 PST (online)	TA:	Tyler Rogers
L2H	Tue	18:00-20:00 PST (online)	TA:	Lucas Pozza
L2I	Wed	17:00-19:00 PST (online)	TA:	Aashish Raizada
L2J	Thu	16:00-18:00 PST (online)	TA:	Elias Pinno
L2K	Tue	13:00-15:00 PST (online)	TA:	Hameed Karim
L2L	Fri	09:00-11:00 PST (online)	TA:	Dima Zhuravel
L2M	Thu	16:00-18:00 PST (online)	TA:	Tim Mammadov
L2N	Wed	14:30-16:30 PST (online)	TA:	Dima Zhuravel
L2O	Thu	19:00-21:00 PST (online)	TA:	Tatiana Urazova

Office hours: Mon 11:00-12:00PST, Wed 14:30-15:30, Thu 12:00-13:00, **or** by appointment

Location: All lectures and office hours are on **Zoom: 7562761523** (password given on Canvas)

E-mail: *Instructor*: **abdallah.mohamed@ubc.ca (preferred contact method)**
TAs: use the hyperlinks above.

Course Website: 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 8 % (***clickers, online quizzes***. Full mark for correctly answering 80% of all questions)
- Lab work: (total: 24%)
  - Lab Exercises no grade
  - Assignments 16 %
  - Project 8 %
- Exams (total: 68%)
  - Midterm 1 5 % - 10 % (45 minutes, online canvas quiz)
  - Midterm 2 10 % - 18 % (75 minutes, online canvas quiz)
  - Final 40 % - 53 % (150 minutes, cumulative, online canvas quiz)

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	10 %	18%	10 %	18 %
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

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) Synchronous lecture:

- This is a livestream lecture that is given at the time indicated on page 1 of this syllabus.
- We will use the first 20-30 minutes for student-directed discussions and code exercises related to the asynchronous lecture (#2 below). We will use the remaining time for other course material.
- You can join using **Zoom** (see first page of syllabus). Lectures will be recorded and posted on Canvas.
- Most livestream lectures will include clicker questions that are counted towards the *Lecture Quizzes* portion of the grade.

2) Asynchronous lecture:

- This is a video recording for you to watch at any time during the first half of the week (**must be finished before the synchronous lecture**).
- You can play the video recordings at different speeds (normal, fast, slow). You can also skip or rewind parts of the videos as needed.
- Most video recordings will include **embedded questions** which will not count towards your grade. However, these same questions will be posted as Canvas quizzes that **do count** towards the *Lecture Quizzes* portion of your grade – you must finish this quiz before the posted deadline.

Class Exercises using iClicker Cloud

- We will have clicker MCQs questions in almost every livestream lecture.
- **Clicker questions can only be answered during the lecture time.**
- You must create an iClicker Cloud account. Instructions on how to do this and how to use it in this class can be found at: 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.
- 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.
- You may discuss clicker questions and their answers with your classmates, but each one must provide his/her own solution.

Labs

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

Exams

- ***Platform*:** Exams are provided as online **Canvas Quizzes** that will be available only during the exam time (see the schedule near the end of this syllabus).
- ***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 NOT to use any search engines or other programs except for the program required to complete 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.
- ***Invigilation*:** You will have **at least one** of the following two options to write the exams:
  1) ***Proctorio enabled exams***
     - Proctorio will be configured as follows:
       - Record you and your computer screen.
       - Lock certain features in your computer (to prevent the use of unauthorized materials)
       - Verify your ID and that your hardware is set up correctly.
     - Proctorio is not compatible with tablets or smartphones.
     - To write your exam, you will need to use **Chrome** with **Proctorio Chrome extension**.
     - **Do not worry** about being 'flagged' for behavior that may be acceptable in an in-person exam (e.g., looking away to think, or going to the washroom). If someone is flagged, a I or TA will review the webcam recording before a decision is made. This means, Proctorio does not make determinations of academic misconduct. **Actions that are acceptable in an in-person exam are also acceptable in an online exam!**
     - Proctorio is FIPPA compliant, all recordings are stored in Canada, and the encrypted recordings will be deleted after two years. Only instructors and TA have access to watch the video.
     - For more information, please refer to the UBC Proctorio Student Guide.
  2) ***LockDown Browser***
     - If you choose this option, you must download the Respondus LockDown Browswer. Download link is available on Canvas.
     - LockDown Browser will not allow you to use any software other than the browser itself (not even zoom or any IDE).
     - Before you start writing the exam, you **must join a monitored zoom call on a secondary device** (e.g. a mobile phone), and you must stay on zoom for the whole duration of the exam. That is, you will write the exam on one device (e.g. your computer) and join Zoom from another device.
- **Mock Exam**: I will run a practice quiz in order for students to be familiar with the system.
- **If you encounter challenges:**
  - Students who are having trouble meeting the hardware or network requirements for the invigilation tool should inform the instructor asap.

- Students experiencing financial barriers to meeting requirements can speak to Academic Advising.
- Students with disabilities should contact the Disability Resource Centre to find out if they are eligible for online exam accommodations
- **Technical issues during the exam:** For all examinations, it is the responsibility of the student to ensure that any technical issues are reported to the instructor immediately. If you cannot connect with the instructor, please document the issue or technical concern via a screenshot/video recording. This is the only circumstance in which it is appropriate to document (i.e., screenshot) exam material. Failing to report technical issues in a timely manner, may result in the issue not being resolved and may negatively impact your grade.

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 **68 %** 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 that 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 the last assignment or the Project.
- If you want to use this policy, please inform your TA directly as s/he will be the one marking your assignment and keeping track of who used this extension. (no need to email the professor)

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).

Required Equipment

- ***For exams*:** all students must have access to **computers** with **reliable internet** + **microphone** + **webcam**. You must also have access to a **quiet room** with no one around you during the exams.
- ***For class exercises*:** all students are expected to have an **iClicker Cloud** account (instructions here).
- In order to engage fully with this course online, students are required to have a laptop or desktop computer and a stable Internet connection. Students are encouraged to check out this link: https://keeplearning.ubc.ca/setting-up.

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-46072-VTSG-47
        - 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.

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

Tentative Schedule

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	Wed 13 / 1	Intro to the Course, OOP basics (revision) Intro to inheritance	x			No labs during week *W1*
W1	L2	Fri 15 / 1	inheritance, array of objects, `final`, visibility, `Object`		x	CH 9.1 - 11.6	
W2	L3	Wed 20 / 1	*Student-led Q/As, exercises previous lecture* Polymorphism	x		CH 9.1 - 11.6	**E1:** no need to submit P1: deadline **Jan 29, 2021**
	L4	Fri 22 / 1	Dynamic binding Object casting, `instanceOf`, `equals`		x	CH 11.7 - 11.10	
W3	L5	Wed 27 / 1	*Student-led Q/As, exercises on previous lecture* Abstract Classes, intro to interfaces	x		CH 11.7-11.10, 13	**E2:** no need to submit **A1**: due in **W4**
	L6	Fri 29 / 1	User-defined Interfaces Built-in interfaces: Comparable, Cloneable		x	CH 13	
W4	L7	Wed 3 / 2	Exception Handling *Student's Q/As in office hour following lectrue*	x		CH 12	**E3:** no need to submit **A2, P2:** due in **W5**
	L8	Fri 5 / 2	Text I/O ***Midterm 1 Revision***		x	CH 12	
W5	L9	Wed 10 / 2	Binary I/O intro (30 minutes) *(Student's Q/As in office hour)* **Midterm 1 (45 min, online, L1 to L6)**	x		CH 17	**E4:** no need to submit **A3:** due in **W7**
	L10	Fri 12 / 2	Binary I/O, cont.		x	CH 17	
W6		Wed 17 / 2 Fri 19 / 2	**No class: Midterm Break**				**No Labs: Midterm Break**
W7	L11	Wed 24 / 2	*Student-led Q/As, exercises on previous lecture* Recursion	x		CH 18	E5: no need to submit **A4, P3:** due in **W9** *Midterm 1 QAs*
	L12	Fri 26 / 2	Recursion, cont.		x	CH 18	
W8	L13	Wed 3 / 3	*Student-led Q/As, exercises on previous lecture* ArrayLists , Intro to Generics	x		CH 11.11 - 11.15 CH 19	**E6:** no need to submit **A5:** due in **W9**
	L14	Fri 5 / 3	ArrayLists , Intro to Generics, cont.		x		
W9	L15	Wed 10 / 3	*Student-led Q/As, exercises on previous lecture* List, Stacks, and Queues	x		CH 20	**E7:** no need to submit **A6:** due in **W10**
	L16	Fri 12 / 3	List, Stacks, and Queues, cont.		x	CH 20	
W10	L17	Wed 17 / 3	*Student-led Q/As, exercises on previous lecture* Implementing LinkedLists	x		CH 24	**E8 part1,2:** no need to submit **A7:** due in **W12**
	L18	Fri 19 / 3	**Midterm Revision**		x		
W11	L19	Wed 24 / 3	**Midterm 2 (online, L1 to L16** *with more focus on L7 to L16*)	x			**A8, P4**: due in **W13**
	L20	Fri 26 / 3	Impl. ArrayList, Stacks, and Queues		x	CH 24	
W12	L21	Wed 31 / 3	*Student-led Q/As, exercises on previous lecture* Sorting	x		CH 23	Continue A8, P4 *Midterm 2 QAs* *Students in Friday labs are welcome to join other lab sessions.*
		Fri 2 / 4	**Good Friday**				
W13	L22	Wed 7 / 4	*Student-led Q/As, exercises on previous lecture* Sorting, cont.	x		CH 32	**E9:** no need to submit **A9:** due on **Apr 11** (incl. 15 bonus pts) *Monday is Easter Day. Monday students can join other lab sessions.*
	L23	Fri 9 / 4	**Final Revision (live lecture)**	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