Welcome back to Kingston, campus, and in-person classes! We can all certainly feel the energy and excitement to return. We have a few items and reminders for you as we progress with the winter term.

Are you going into 4th year 2022-23 – here are a few reminders!

**BIOL 537**
Faculty Project Profiles and Application are already updated for 2022-2023 and can be found at: [https://biology.queensu.ca/academics/undergraduate/courses/honours-thesis-course/](https://biology.queensu.ca/academics/undergraduate/courses/honours-thesis-course/)
Application deadline: March 21, 2022.

**BIOL 500 Seminar Courses**
The 5XX seminar course offerings for next year are now available! The application is now up and ready for you to fill out and for submission by May 13, 2022.
BIOL 404 - Summer 2022
BIOL 404 will be offered this coming summer. It will be offered twice, once in May and again in August. If you are interested, let us know so that we can register you manually this year.

Please note that because these are two week courses the add/drop dates are different from full term summer offerings.
- BIOL 404 – April 25 to May 6, the last date to add or drop the course is April 25 at mid-night.
- BIOL 404 – August 15 to August 26, the last date to add or drop the course is August 15 at mid-night.

Course details can be found at: https://130.15.90.125/BioLab/biol404.html

BIOL 404/3.0 → Techniques in Molecular Biology
Intensive laboratory work (8h/day) to be carried out over two and a half weeks in May. Practical work includes DNA isolations, DNA cloning, PCR, production of proteins, biochemical and immunological analysis of proteins. NOTE Priority to students registered in BIOL Major and Specialization degree Plans. See course website for details.
LEARNING HOURS 112.5 (100Lb;12.5P)
PREREQUISITE (BCHM 218/3.0 or BIOL 330/3.0) and a minimum GPA of 2.0 in the Biological Foundations List.

BIOL418 – Summer 2022
BIOL 418 will be offered this coming summer. The course starts Sunday, May 8, 2022 and finishes Saturday, May 21, 2022. If you are interested, let us know so that we can register you manually this year.

Please note that because these are two week courses the add/drop dates are different from full term summer offerings.

- BIOL 418 → the last date to add or drop the course is May 8 at mid-night.

BIOL 418/3.0 → Fisheries Techniques
This course will introduce students to many “hands-on” techniques currently used in fisheries. This will include fish identification, different capture techniques for fisheries assessment, bioacoustics, environmental monitoring, techniques for ageing fish, diet analysis, fish tracking (biotelemetry approaches), and data management.
LEARNING HOURS:120 (30Lb;10T;40G;40P)
PREREQUISITE: BIOL 316/3.0. and a minimum GPA of 2.0 in the Biological Foundations List.

Frog Sampling Field Assistant(s) → Job description
We are looking for field assistance in April 2022 (potentially into early May) to help sample trilling chorus frogs with PhD student Ying Chen at the Queen’s University Biological Station (QUBS) and surrounding area. Chorus frogs are declining in northern Ontario and Quebec region and the research project investigates the breeding habitat usage and metapopulation structure in undisturbed and partially disturbed landscape to infer habitat restoration and conservation management.
The work requires fieldwork in evenings from dusk to mid-night at various wetlands. The job is mainly locating and catching frogs and recording data on field book. Working hours will be 4-5 hours per night and 30 hours per week depending on weather and frog calling activities. Given that April is a busy time for undergraduates with exams and assignment deadlines, we are open to having students share the duties and hours. The position will be paid ($17/hour).
Qualifications

- Patient and attentive
- Ability to work at night
- Tolerant of cold weather and long period of standing in marshes in waders
- Experience in fieldwork is an asset
- G license is an asset

Please contact Ying Chen, 15yc24@queensu.ca, or Dr. Stephen Lougheed, steve.lougheed@queensu.ca

The Arts & Science Undergraduate Research Fund

$$ Funding Opportunity for UG students through ASURF. More information about this opportunity can be found here https://www.queensasus.com/asurf

Established in 2017, the Arts and Science Research Fund (ASURF) was implemented to foster a community amongst undergraduate scholars and promote a greater investment in undergraduate research. The Faculty of Arts and Science has pledged to match all of the funds raised by the $3.75 opt-out student fee. This meant that in the 2017-2018 academic year, $71,600 was awarded to 42 undergraduate student researchers.

Did you know? … In order to encourage students to explore subject matter outside their program of study and to promote interdisciplinary study, all upper-year Arts and Science students will be permitted to designate up to 6.0 units of degree-credit courses for pass/fail grading, thereby minimizing any risk to the students’ GPA. Such courses designated for pass/fail grading will be referred to as Personal Interest Credits (PICs). https://www.queensu.ca/artsci/students-at-queens/the-personal-interest-credit

Wondering about how many courses you can take from other Faculties and Schools towards your degree plan/program?
A maximum of 6.0 units from courses offered by other Faculties and Schools may be counted towards the Program and/or Plan requirements of any degree in the Faculty of Arts and Science, in addition to any such courses allowed as either Core or Option course requirements.

The courses listed in the document below are approved for students in the Faculty of Arts and Science. https://www.queensu.ca/artsci/students-at-queens/academic-calendar#section-courses-of-instruction

Need help with your studies?
Please visit Student Academic Success Services (SASS) at http://sass.queensu.ca/. SASS offers academic support to students who wish to develop their skills in critical thinking, reading, learning, studying, writing and self management.

Looking for a job?
Wondering about career options or maybe considering Graduate School…then you need to visit: https://careers.queensu.ca/students

Wondering how to contact your course program associate regarding work associated with the lab component of core courses?
REMINDE RS!
Bio logy Degree Plans
Review your degree plan requirements and make sure you are selecting courses you need. Degree plan requirements can be found at: [http://www.queensu.ca/artsci](http://www.queensu.ca/artsci).

Biological Foundations List - IMPORTANT!
It is very important to keep this GPA requirement in mind throughout your program, starting with first year. To be admitted to 400 and 500 level Biology courses, you will need a minimum GPA of 2.0 in any previously taken courses from Biological Foundations list.

The Biological Foundations List is BIOL 102, 103, 200, 212, (201, 202), 205, 206, 300, 330, 334, 339, and 341 (302, 303).

To be admitted to BIOL 400 and 500 level Biology courses you will need a minimum cumulative GPA of 2.0 in any previously taken courses from this list.

Helpful Links

- Information on Applying for a Course Prerequisite Waiver
- Arts and Science Academic Deadlines
- Arts and Science Calendar
- Frequently Asked Questions

QUBS Quick Links
Website: [https://qubs.ca](https://qubs.ca)
Facebook: [https://www.facebook.com/QUBioStation](https://www.facebook.com/QUBioStation)
Twitter: [https://twitter.com/QUBS_Director](https://twitter.com/QUBS_Director)
Flick: [http://www.flickr.com/photos/quboutreach](http://www.flickr.com/photos/quboutreach)
YouTube: [https://www.youtube.com/user/QUBScam](https://www.youtube.com/user/QUBScam)

Looking for a job? Quick Link
Looking for study and travel opportunities? Quick Link

BIOLOGY Undergraduate Office
Monday to Friday 9:30am – 12:00pm & 1:00pm – 3:00pm
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