

# **GRADUATE STUDENT HANDBOOK**

**2018-2019**

## **GRADUATE PROGRAM IN PHYSICS AND ASTRONOMY**



September 2018

## WELCOME MESSAGE

Welcome to the Graduate Program in Physics and Astronomy at York University. This handbook provides most of the information needed by new graduate students, so that you can rapidly orient yourself to the program environment. It will also be useful as a reference document as you pursue your graduate studies here.

We would appreciate your comments about the usefulness of this booklet and how it can be improved in the future. We would also like to thank everyone who has contributed to this handbook so far.

Best wishes for a productive and enjoyable journey through your studies here!

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## RESEARCH AREAS AND FACILITIES

The Graduate Program in Physics and Astronomy focuses on a wide range of study and research in the following areas:

- Astronomy & Astrophysics
- Atomic, Molecular & Optical Physics
- Biological Physics
- Chemical & Condensed Matter Physics
- Earth, Atmospheric, Space & Engineering (Planetary Physics)
- High Energy & Particle Physics

The research is carried out in modern laboratory buildings. The Petrie Science and Engineering Building (PSE) houses the Department of Physics and Astronomy. It is well equipped with research support facilities, such as stores (PSE 002), a machine shop (PSE 006), drafting and photography facilities, an electronics shop (PSE 018A), a glassblowing shop (PSE 016) and, of course, numerous powerful computing facilities. The Steacie Science Library is located just east of PSE.

## WHOM TO SEE ABOUT WHAT

| Question About?   | Name                         | Office         | Telephone/Email                    |
|---|------------------------------|----------------|------------------------------------|
| Emergencies<br>(Ambulance, Fire,<br>Police)                 |                              |                | 911                                |
| On-campus<br>Security, URGENT                               | Security Control<br>Centre   |                | 33333 or 416-736-5333              |
| On-campus<br>Security                                       | Security Control<br>Centre   |                | 58000 or 416-650-8000              |
| Student Security<br>Escort Service                          | York goSAFE<br>Program       |                | 416-736-5454                       |
| Network<br>connection,<br>computer advice<br>and accounts   | Don Kim                      | 322<br>Lumbers | 30758/fscits@yorku.ca              |
| General<br>administration,<br>services, space,<br>furniture | Cristalina del<br>Biondo     | 125 PSE        | 20604/gradphas@yorku.ca            |
|   | Janaki De Camillis           | 128 PSE        | 55249/janakiw@yorku.ca             |
| Expense Reports,<br>Purchase<br>Requisitions                | Cristalina del<br>Biondo     | 125 PSE        | 20604/gradphas@yorku.ca            |
|   | Janaki De Camillis           | 128 PSE        | 55249/ janakiw@yorku.ca            |
| Health and Safety   | Brad Sheeller                | 317<br>Lumbers | 647-999-9806/<br>sheeller@yorku.ca |
| Keys (office and<br>building),<br>Department<br>photocopier | Janaki De Camillis           | 128 PSE        | 55249/ janakiw@yorku.ca            |
| Teaching<br>Assistantships                                  | Paul Delaney                 | 329 PSE        | 77763/pdelaney@yorku.ca            |
| TA payments   | Cristalina del<br>Biondo     | 125 PSE        | 20604/gradphas@yorku.ca            |
| Stores  | Sherryl Dean<br>Amal Youssef | 002 PSE        | 55244/scistore@yorku.ca            |
| Room bookings,<br>Departmental<br>projector                 | Janaki De Camillis           | 128 PSE        | 55249/ janakiw@yorku.ca            |
|   | Cristalina del<br>Biondo     | 125 PSE        | 20604/gradphas@yorku.ca            |
| Other   | Tom Kirchner                 | 228 PSE        | 33695/phasgpd@yorku.ca             |

## GENERAL INFORMATION

The information in this handbook is supplementary to that found on the Faculty of Graduate Studies (FGS) website and the Program website <http://www.physics.yorku.ca/grad>. New students should familiarize themselves with the FGS policies and procedures, which can be found here: <http://gradstudies.yorku.ca/current-students/regulations/>.

In particular, please review the Code of Student Rights and Responsibilities:

<http://oscr.students.yorku.ca/student-conduct>

and the Senate Academic Honesty policy:

<http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/>, regarding cheating, plagiarism, impersonation, improper research and publication practices, etc.

Additional information about many graduate matters can be found at

<http://gradstudies.yorku.ca>.

Students are advised to follow registration dates and Program and Faculty deadlines. In addition, please inform the Graduate Program Assistant of any changes in status or study plans in order to ensure that the correct procedures are followed to avoid administrative havoc in the future.

Students should frequently check their YorkU email for important announcements and deadlines, scholarship notices, bursary applications, etc. Mailboxes located outside 211 Petrie Science Building (PSE) should also be regularly checked for notices and other program information.

## 2018 – 2019 IMPORTANT DATES

Please refer to the following website for information on all the important dates for the Faculty of Graduate Studies:

<http://gradstudies.yorku.ca/current-students/student-status/important-dates/>.

Important Departmental dates will be sent to you by email from the Graduate Program Office.

## ORIENTATION

FGS orientation website:

<http://gradstudies.yorku.ca/incoming-students/orientation/>

An orientation session for Physics and Astronomy students was held Thursday, September 6, 2018, 11:00 am -12:00 pm in PSE 317. The slides shown by the GPD can be obtained from the Graduate Program Office.

The following online courses are mandatory before starting your TA duties:

Health and Safety orientation (first module only):

<https://moodle.yorku.ca/moodle/course/view.php?id=36422>

Electrical Safety Awareness

<https://moodle.yorku.ca/moodle/course/view.php?id=66126>

WHMIS I:

<https://moodle.yorku.ca/moodle/course/view.php?id=36422>

Laser Safety (held in-class)

## **REGISTRATION PROCEDURES AND DEADLINES**

All graduate students must register for the fall, winter and summer terms (except for coursework students who normally only register for fall and winter). All students require permission to register in courses.

### **REGISTRATION DEADLINES:**

<http://gradstudies.yorku.ca/current-students/student-status/important-dates/>

All students expecting to receive an assistantship must register Full-Time by the deadlines. Students cannot get paid until registration has been completed.

Graduate students are required to register in each term until the completion of their degrees as either a full-time or part-time student. Please note that dropping courses does not automatically indicate that a student has withdrawn from the program. In order to withdraw from the Faculty of Graduate Studies, students must submit a letter to the Graduate Program Office. The effective date of withdrawal is the date the letter is received.

Students should consult with their supervisor before selecting and enrolling in their courses. M.Sc. coursework students should meet with the Graduate Program Director (GPD) for advising. Students wishing to drop a course require permission from their supervisor (GPD for coursework students).

Students may seek approval to take up to one full graduate course outside the Program or to take a Reading course. Requests to take a course outside York University can only be granted in very special cases. More information about these possibilities can be obtained from the Graduate Program Office (125 PSE).

## WHAT'S NEXT?

**York Identity Cards:** YU-cards can be obtained from the YU-card Office in 200 William Small Centre. For more information, visit <http://www.yorku.ca/yucard>.

**Email Policy:** To activate your YorkU email account, go to:  
<http://myonlineservices.students.yorku.ca>

## FORMS

Some of the forms you may need to submit at various stages of your graduate career can be found at

<http://gradstudies.yorku.ca/current-students/student-status/forms/>,  
<http://gradstudies.yorku.ca/current-students/student-finances/forms/>  
<http://gradstudies.yorku.ca/current-students/thesis-dissertation/forms/>

and here: <http://www.physics.yorku.ca/index.php/graduate/policies>.

## FEES

Graduate fees are calculated according to a student's program and full-time or part-time enrolment status. Fees are not calculated on a per-course basis.

Fees are based on three terms of full-time study from September through August. For more details and information about supplementary and additional charges, please visit <http://sfs.yorku.ca/fees/courses/index.php>.

**Fees Paid by an Employer, Government or an External Agency (Third Party Billing):** If your tuition fees are being paid directly to the University by a third party (e.g., employer, government, Embassy, etc.) you must submit your sponsorship letter to the Office of Student Financial Services (for contact information, visit <http://sfs.yorku.ca>) immediately following registration. Please note that you are still responsible for all charges on your student account, and late charges or other sanctions will apply if the account is not settled promptly. Your account will not be credited until payment has been received.

Graduate Students who have an outstanding financial debt to the University of \$1,000 or greater will be blocked from registering. If this is the case, students are strongly encouraged to pay down their debts or speak with someone in the Student Affairs Office of the Faculty of Graduate Studies (230 York Lanes) before the beginning of the term PRIOR TO the registration deadline.

## REFUND TABLES

Students are responsible for tuition fees in all terms until completion of all degree requirements, including submission of the three final thesis or dissertation copies to the Faculty of Graduate Studies. Graduate fees are calculated according to a student's program and full-time or part-time enrolment status. Fees are not calculated on a per-course basis. A student who withdraws from FGS may receive a partial fee refund. Fee refunds/credit calculations are based on complete withdrawal from a term, not withdrawal from an individual course. In order to withdraw from the Faculty of Graduate Studies, students must submit a letter to the Graduate Program Office. The effective date of withdrawal is the date the letter is received. Withdrawal dates and refund amounts can be found at the following link: <http://sfs.yorku.ca/refunds/tables/>.

Please note that students must first satisfy the requirements of paying for the minimum number of terms for their particular program of study before any refunds will apply. M.Sc. students must pay fees for a minimum of 3 terms of full-time study (or 6 terms of part-time study). Doctoral students must pay fees for a minimum of the equivalent of six terms of full-time registration (or 12 terms of part-time registration).

## GRADUATE INCOME INFORMATION

The Faculty of Graduate Studies has changed the funding model for graduate students as of Fall 2016. Please visit <http://gradstudies.yorku.ca/graduate-funding-model> to learn more about graduate funding at York.

Full-time Physics and Astronomy (PHAS) students may receive a combination of:

- **York Masters/Doctoral Fellowships:** This component was introduced across the board in 2016 to offset tuition fees.
- **Teaching Assistantships:** PHAS graduate students normally engage in assigned teaching-related work (laboratory demonstration, marking, invigilation) up to one full TA, subject to availability. At York University, one full TA is 270 hours. The normal annual TA in Physics in Astronomy is 202.5 hours of teaching-related duties (75% of a full TA). Teaching Assistants are represented by CUPE 3903. Please familiarize yourself with the CUPE 3903 Collective Agreement at: <https://3903.cupe.ca/resources/collective-agreement/>
- **Research Assistantships:** PHAS graduate students in research degree programs (i.e., M.Sc. project, M.Sc. thesis or Ph.D.) typically receive financial support from their supervisors' research grants, the amount of

which is subject to individual discussion between the student and supervisor. Other than participation in research activities, there is no formal duty associated with this support.

- **International Tuition Fee Scholarships:** While the ITFS program was terminated in 2014, existing international students already holding an International Tuition Fee Scholarship can expect to keep it for the duration of their degree program.
- **York University Graduate Scholarship (YGS):** The Graduate Program in Physics and Astronomy offers York Graduate Scholarships to incoming students. This award is usually only available to applicants with an A average and is not renewable.

**External Scholarships:** York University students may receive national scholarships from the Natural Sciences and Engineering Council of Canada (NSERC) valued at \$17,500-\$35,000 a year, or provincial scholarships, such as the Ontario Graduate Scholarship (OGS) and Queen Elizabeth II (QEII) scholarship, valued at \$15,000. These scholarships are awarded on a competitive basis. Students who satisfy the eligibility requirements are encouraged to apply for these scholarships, which are described in more detail below. For complete information on deadlines, procedures and eligibility requirements, please visit <http://gradstudies.yorku.ca/current-students/student-finances/funding-awards>

## **NSERC Scholarships**

Natural Sciences and Engineering Research Council (NSERC) Graduate Scholarships are intended to provide financial support to excellent students who are working towards a Masters or Doctoral program in the natural sciences or engineering.

Applications are available online: [http://www.nserc-crsng.gc.ca/Students-Etudiants/PG-CS/index\\_eng.asp](http://www.nserc-crsng.gc.ca/Students-Etudiants/PG-CS/index_eng.asp). **Deadlines: Oct 12, 2018 for PhD and Dec 1, 2018 for MSc students.**

Eligibility to apply: Applicants must be Canadian citizens or permanent residents of Canada; intend to pursue in the following year full-time graduate studies and research at the Masters or Doctoral level in an eligible program in one of the areas of the natural sciences and engineering supported by NSERC; and have obtained a first-class average (a grade of "A-") in each of the last two completed years of study, regardless of the number of credits completed.



## OGS

The Ontario Graduate Scholarship (OGS) program is designed to encourage excellence in studies at the Masters and Doctoral levels. An OGS is awarded for one academic year, which may consist of three consecutive terms. One-term awards are not granted.

OGS deadlines are synchronized with NSERC deadlines:

**M.Sc. level: December 1, 2018**

**Ph.D. level: October 12, 2018**

More information and the application forms are available at:

<http://gradstudies.yorku.ca/current-students/student-finances/funding-awards/ogs/>.

Please contact the Graduate Program Assistant for more information.

### **Other sources of funding that may be available:**

- The Fieldwork Cost Fund defrays the costs of carrying out field-work.
- The CUPE 3903 Research Cost Fund defrays the out-of-pocket costs of carrying out research, for example, travel to sources of research, payment of subjects, supplies, services, photocopying, etc.
- The Graduate Development Fund defrays travel costs to present results at conferences.

Please visit

<http://gradstudies.yorku.ca/current-students/student-finances/funding-awards/>

or contact the Graduate Program Assistant for more information.

### **Benefits**

- Teaching Assistants (members of CUPE 3903 unit 1) enjoy a number of health-related benefits (dental, prescription drug, and vision care).
  - York Benefits office expects all new TAs to enrol in the first month otherwise, your benefits will not be active. Benefit information can be found at: <http://3903.cupe.ca/benefits-plan/>.
- International students receive a bursary to cover the cost of the university health insurance plan (UHIP). Information about UHIP can be found at: <http://yorkinternational.yorku.ca/uhip/>

## GRADUATE COURSES

Every year the Department of Physics and Astronomy offers a selection of the graduate courses listed here:

<http://www.physics.yorku.ca/index.php/graduate/descriptions>.

The PHYS graduate courses offered in 2018-2019 are:

| COURSE NO.       | TITLE                                    | PROFESSOR         | DAYS             | TIME S                           | ROOM                                   | CAT. NO. |
|------------------|--|-------------------|------------------|----------------------------------|--|----------|
| PHYS 5000 3.0F   | Quantum Mechanics 1                      | T. Kirchner       | M-W-F            | 10:30                            | 133 PSE                                | W20Y01   |
| PHYS 5020 3.0W   | Electromagnetism                         | E. Hessels        | M-W-F            | 12:30                            | 318 CC                                 | T23G01   |
| PHYS 5040 3.0W   | Elementary Particle Physics              | W. Taylor         | M-W-F            | 11:30                            | 3000 VH                                | W35R01   |
| PHYS 5050 3.0W   | Atomic & Molecular Structure             | T. Kirchner       | M-W-F            | 13:30                            | 328A BSB                               | A18C01   |
| PHYS 5061 3.0F   | Experimental Techniques in Lazer Physics | A. Kumarakrishnan | F<br>F<br>W-R    | 14:30<br>14:30<br>14:30          | Ross 122 S<br><br>226 PSE              | U33X01   |
| PHYS 5062 3.0 W  | Atom Trapping                            | A. Kumarakrishnan | R<br>R<br>W<br>F | 14:30<br>15:30<br>14:30<br>14:30 | FC-103<br>FC-103<br>226 PSE<br>226 PSE | N80R01   |
| PHYS 5070A 3.0F  | Advanced Numerical Method                | D. Liang          | T-R              | 14:30                            | 001 HNE                                | H68R01   |
| PHYS 5070B 3.0W  | Numerical Sol. To Differential Eq.       | M. Haslam         | M-W-F            | 12:30                            | 013 ACE                                | A57T01   |
| PHYS 5230 3.0F   | General Relativity & Cosmology           | R. Koniuk         | M-W-F            | 9:30                             | 258 PSE                                | K68Z01   |
| PHYS 5290 3.0F   | Extragalactic Astronomy                  | P. Hall           | M-W              | 12:30                            | 0015 DB                                | P08X01   |
| PHYS 5390 3.0F   | Astronomical Techniques                  | M. DeRobertis     | M                | 13:30                            | 120 CB                                 | X71F01   |
| PHYS 5400 3.0F   | Physics Research                         | Directed Reading  |                  |                                  |  | G17B01   |
| PHYS 5400 3.0W   | Physics Research                         | Directed Reading  |                  |                                  |  | W64J01   |
| PHYS 5490 3.0F   | Astronomical Research                    | Independent       |                  |                                  |  | Z95E01   |
| PHYS 5490 3.0W   | Astronomical Techniques                  | Independent       |                  |                                  |  | X42N01   |
| PHYS 5590 3.0    | Observational and Theoretical Cosmology  | A. Muzzin         | M-F              | 14:30                            | 122 CB                                 | M70P01   |
| PHYS 5800 3.0W   | Introduction to Biological Physics       | O. Mermut         | M-W-F            | 13:30                            | 225 BC                                 | C61P01   |
| PHYS 6213 A 1.0F | Selected Topics in Physics               | S. Bhadra         | R                | 12:30                            | 258 PSE                                | B68S01   |
| PHYS 6213 B 1.0F | Selected Topics in Physics               | M. George         | T                | 9:30                             | 317 PSE                                | D15D01   |

Students have the option of taking a course in other science-related graduate programs, subject to approval by the GPD.

### COURSE EVALUATIONS

Course evaluations are conducted by the Graduate Program Office each year for all of the Physics and Astronomy graduate courses offered.

## GRADING OF GRADUATE COURSES

|    |         |                     |
|----|---------|---------------------|
| A+ | 90-100% | Exceptional         |
| A  | 85-89%  | Excellent           |
| A- | 80-84%  | High                |
| B+ | 75-79%  | Highly Satisfactory |
| B  | 70-74%  | Satisfactory        |
| C  | 60-69%  | Conditional         |
| F  | 0-59%   | Failure             |
| I  |         | Incomplete          |

Important information about graduate courses can be found here:  
<http://gradstudies.yorku.ca/current-students/regulations/courses-grading/>.  
In particular, please note the FGS Academic Standing regulations:

### ***Combinations of 'C' Grades Which Require Withdrawal Unless Continued Registration is Recommended and Approved***

*A student who received in total any of the following combinations of grades for graduate courses may not continue to be registered in the Faculty of Graduate Studies and in a graduate program unless this continuation is recommended by the graduate program director concerned and approved by the Dean:*

- (a) two C grades for 6.00 credit courses;*
- (b) one C grade for a 6.00 credit course and one C grade for a 3.0 credit (or equivalent) course;*
- (c) a total of three C grades for 3.0 credit (or equivalent) courses.*

*In no cases will grades be averaged.*

### ***Combination of 'F' and 'C' Grades Which Require Withdrawal***

*A student will be required to withdraw from a graduate program and registration in the Faculty of Graduate Studies will be terminated if the student receives in total for graduate courses, during enrolment at York University:*

- (a) one F grade for a 6.00 credit course or two F grades for 3.0 credit (or equivalent) courses; or*
- (b) one F grade for a 3.0 credit (or equivalent) course and one C grade for a 6.00 credit or 3.0 credit (or equivalent) course.*

*In no case will grades be averaged.*

# DEGREE REQUIREMENTS

## MASTER OF SCIENCE PROGRAM

There are three routes by which a student may achieve an M.Sc. degree in Physics and Astronomy: by research thesis, research project or by coursework. For more information about the requirements for each M.Sc. degree, please visit <http://www.physics.yorku.ca/index.php/graduate/master/degree-master>

## DOCTOR OF PHILOSOPHY PROGRAM

The requirements of the Ph.D. program are described here: <http://www.physics.yorku.ca/index.php/graduate/phd/degree-phd>

## ANNUAL RESEARCH EVALUATION

The M.Sc. project, M.Sc. thesis and Ph.D. supervisory committee must meet with the student at least once a year to assess the student's progress in the program, and to provide advice on future work. Please review the Annual Research Evaluation Procedures:

[http://www.physics.yorku.ca/images/stories/PDF\\_Files/researchevaluationprocedures.pdf](http://www.physics.yorku.ca/images/stories/PDF_Files/researchevaluationprocedures.pdf).

The student should print a copy of the Annual Research Evaluation Form ([http://www.physics.yorku.ca/images/stories/PDF\\_Files/researchevaluation.pdf](http://www.physics.yorku.ca/images/stories/PDF_Files/researchevaluation.pdf)) and bring it to the committee meeting.

## THE PROCESS FOR APPROVAL OF AN M.SC. THESIS/PH.D. DISSERTATION

Congratulations! You have finished your research and documented it in an M.Sc. thesis/Ph.D. dissertation. This is the timetable to be followed for the completion of your degree requirements. It takes at least six/seven weeks from possession of a "final" copy of the thesis/dissertation to completion of the examination process.

| WHEN (M.SC./PH.D.)                                    | WHAT  | WHO     |
|---|---|---------|
| At least three months/six months before the oral exam | Submits thesis/dissertation proposal to Graduate Program Office | Student |
| Six weeks/seven weeks                                 | Submits a hardcopy of the                                       | Student |

|   |  |                                       |
|---|--|---------------------------------------|
| before the oral exam                              | thesis/dissertation to each of his/her Supervisory Committee members for review.                               |                                       |
| At least six/seven weeks before the oral exam     | Forms Examining Committee. Submits information to the Graduate Program Office.                                 | Supervisor                            |
|   | Schedules the public lecture and oral exam and completes Recommendation for Oral forms.                        | Graduate Office                       |
| Four weeks/five weeks before the oral exam        | Signs off on thesis/dissertation as Examinable.  | Supervisory Committee                 |
| Four weeks/five weeks before the oral exam        | Receives edited thesis/dissertation from Supervisory Committee.  | Student                               |
| At least 15/20 business days before the oral exam | Submits a hardcopy of corrected thesis/dissertation to each of his/her Examining Committee members for review. | Student/ Graduate Office <sup>1</sup> |
|   | Completes Oral Exam forms.   | Student                               |
| Final oral exam                                   | Presents public lecture and oral defense.  | Student                               |
| Anytime after oral exam                           | Submits corrected copy of thesis/dissertation with required forms to FGS.                                      | Student                               |

Project M.Sc. students have to submit a project report to their supervisory committee at least two weeks prior to the intended completion date. A hard copy of the report and the completed project M.Sc. form must be submitted to the Graduate Office by the intended completion date.

## GRADUATE RESOURCES

### PHYSICS AND ASTRONOMY COLLOQUIUM

On most Tuesdays during the academic year at 2:30 pm, the Physics and Astronomy Colloquium is held in 317 PSE. These colloquia offer an outstanding roster of speakers who provide an expert view of research advances in the various fields of Physics and Astronomy. The lecturers are requested to aim their presentation to Physics and Astronomy graduate students and senior undergraduate students. **Regular attendance at these colloquia is highly recommended as part of all students' education.** Coffee and cookies are served in 317A PSE before or after the colloquium. If, in the course of your

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<sup>1</sup> The student supplies all Examining Committee members with the thesis/dissertation with one **exception**: Since a PhD candidate is not supposed to communicate with the external examiner before the defence, the Graduate Program Office submits the dissertation to the external.

activities, you hear someone and think “they would be really good as a colloquium speaker”, then let the Colloquium Chair (A. Muzzin, x33175, muzzin@yorku.ca) know so they can be invited.

## **LIBRARIES**

There are five main libraries at York: Steacie Science and Engineering Library, Scott Library (social sciences and humanities), Peter F. Broffman, Leslie Frost Library and Law Library. The Steacie Science Library subscribes to significant physics, astronomy, biophysics, materials science, engineering and chemical physics journals and provides electronic access to most of these. It also holds extensive collections of back issues (and books!). Information about library services and training can be found on the library website: <http://www.library.yorku.ca/web/steacie/>. Graduate students may apply for extended loan privileges by submitting a signed letter from the department that they are currently working on a Masters or Doctoral thesis.

## **WRITING**

The Writing Centre offers sessions and workshops in all aspects of writing. Sessions such as individual tutoring, drop-in-tutoring and group workshops are available to all students in the Faculty of Graduate Studies. The Centre is located in Ross South 311. See its website for more information: <http://www.yorku.ca/laps/writ/centre/>.

## **ENGLISH AS A SECOND LANGUAGE CENTRE**

The English as a Second Language Open Learning Centre (ESL-OLC) is open to all York students and offers support for ESL students. It is located in Ross South 311. For more information or to register, go to <http://www.yorku.ca/eslolc/>.

## **GRADUATE CAMPUS PRINTING ALLOCATION (phased out)**

<http://fgs.news.yorku.ca/2013/08/01/graduate-student-printing-changes/>

## **GRADUATE STUDENT ASSOCIATION (GSA)**

<http://www.yugsa.ca>

## **CUPE 3903**

<http://3903.cupe.ca>

## **PHYSICS AND ASTRONOMY GRADUATE EXECUTIVE (PAGE)**

<http://page.physics.yorku.ca/>

## **ASTRONOMY JOURNAL CLUB**

<http://astronomyjournalclub.apps01.yorku.ca>

## SUMMARY OF STUDENT SUPPORT SERVICES

| Office or Contact   | Primary Service  |
|---|--|
| <b>Career Centre</b><br>202 McLaughlin College<br>416-736-5351<br><a href="http://careers.yorku.ca">http://careers.yorku.ca</a><br><a href="mailto:career@yorku.ca">career@yorku.ca</a>               | Career counselling;<br>Learning skills development workshops;<br>Virtual resources;<br>Internships   |
| <b>Centre for Student Community &amp; Leadership Development (SC&amp;LD)</b><br>S172 Ross Building<br>416- 736-5144<br><a href="http://sclld.yorku.ca">http://sclld.yorku.ca</a>                      | Enrich student life by promoting education, awareness and growth; celebrating diversity, encouraging collaboration and developing citizenship.   |
| <b>Student Counselling and Development</b><br>N110 Bennett Centre for Students Service<br>416-736-5297<br><a href="http://counselling.students.yorku.ca/">http://counselling.students.yorku.ca/</a>   | Personal counselors, crisis counseling, group development workshops, learning skills training, and support for learning disabilities and psychiatric disabilities  |
| <b>Faculty and Staff</b>  | Advice on courses and careers  |
| <b>Centre for Human Rights</b><br>S327 Ross Building<br>416-736-5682<br><a href="http://rights.info.yorku.ca">http://rights.info.yorku.ca</a><br><a href="mailto:rights@yorku.ca">rights@yorku.ca</a> | Assists individuals and groups to address and resolve allegations of discrimination and harassment as defined by the Ontario Human Rights Code (Code).   |
| <b>Office of the Ombudsperson</b><br>1050 York Research Tower<br><a href="http://ombuds.info.yorku.ca">http://ombuds.info.yorku.ca</a><br><a href="mailto:ombuds@yorku.ca">ombuds@yorku.ca</a>        | Provides an impartial and confidential service to assist current members of York University who have been unable to resolve their concerns about University authorities' application of York University policies, procedures and/or practices. |
| <b>Office of the Registrar</b><br>Bennett Centre for Student Services<br>416-736-YORK<br><a href="http://www.registrar.yorku.ca">http://www.registrar.yorku.ca</a>                                    | Enrolment procedures;<br>Sessional dates and refund table;<br>Petitions, permission to take a course at another university, transcripts, and most forms  |
| <b>Faculty of Graduate Studies</b><br>230 York Lanes<br>416-736-5521<br><a href="http://gradstudies.yorku.ca">http://gradstudies.yorku.ca</a>   | Faculty policies and procedures;<br>General advising, course selection/changes.  |
| <b>Sexual Assault Survivor's Support Line</b><br>B449 Student Centre<br>416-736-2100 x 40345<br><a href="http://sassl.info.yorku.ca">http://sassl.info.yorku.ca</a>                                   | Provide unbiased and non-judgmental peer support and referrals to survivors of sexual violence; Educational workshops  |
| <b>Student Financial Services</b><br>N201 Bennett Centre for Student Services<br>416-872-YORK<br><a href="http://sfs.yorku.ca">http://sfs.yorku.ca</a>  | Scholarships, financial problems, OSAP information   |

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| <b>GSA Health Plan</b><br>325 Student Centre<br>416-736-5213<br><a href="http://www.yugsa.ca">http://www.yugsa.ca</a><br><a href="mailto:health@yugsa.ca">health@yugsa.ca</a> | Health plan sponsored by Graduate Student Association |
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**Building acronyms:**

- CB Chemistry Building
- DB Dahdaleh Building (formerly TEL)
- FS Farquaharson Building
- LAS Lassonde Building
- LMB Lumbers Building
- LS Life Sciences Building
- PSE Petrie Science and Engineering Building
- R Ross Building