Department of Physics and Astronomy
Course Approval for Graduate Students

Student's Name: ____________________________  ID#: __________________

Program:  M.Sc.  Ph.D.  Specialization: ____________________________

Please list all of the Graduate Courses you have taken at your previous University(s) (attach an additional page, if required).

Graduate Course History  Grade  Term/Year

1. ____________________________  ____________________________  ____________
2. ____________________________  ____________________________  ____________
3. ____________________________  ____________________________  ____________
4. ____________________________  ____________________________  ____________
5. ____________________________  ____________________________  ____________

Courses required to complete degree (indicate course name/number and what term/year you intend to take the course). Please consult your supervisor. List your ENTIRE course plan for your degree, not just one term. Remember to include the PHYS 691 series (x=1 MSc; 2 PhD).

Course Name/Number  Term/Year Course will be taken

1. ___PHYS 691.x1_____  Fall term first year (Speaking)
2. ___PHYS 691.x2_____  Winter term first year (Seminar)
3. ___PHYS 691.x3_____  Fall term first OR second year (Writing)
4. ___PHYS 691.x4_____  Winter term second year (Seminar)
5. ____________________________  ____________________________
6. ____________________________  ____________________________
7. ____________________________  ____________________________
8. ____________________________  ____________________________
9. ____________________________  ____________________________
10. ____________________________  ____________________________
11. ____________________________  ____________________________
12. ____________________________  ____________________________
13. ____________________________  ____________________________
14. ____________________________  ____________________________

Approved by:

________________________________________  ____________________________
Supervisor/Interim Supervisor  Date

________________________________________  ____________________________
Graduate Program Director  Date

Please return this form to the Graduate Program Administrator (Yanmei Fei): yfei@ucalgary.ca
Program/Course Requirements - Graduate Calendar

Please refer to the Graduate Calendar for more information on courses.

In addition to Faculty of Graduate Studies and Faculty of Science requirements, the Department requires:
That all students, with the exception of registrants in the Post-PhD Diploma program in Radiation Oncology Physics and the Postdoctoral Certificate in Radiation Oncology Physics, register in the Graduate Seminar, Physics 691, during Fall and Winter Terms of the first two years in program.

Master of Science (thesis-based)

a) For students specializing in Astrophysics, Physics, or Space Physics: four half-course equivalents, including at least two of Physics 609, 611, 613, 615, or 617* plus two elective courses at the 500 or 600 level, as approved by the Graduate Program Director.
b) For students specializing in Medical Physics: seven half-course equivalents, including Medical Physics 623, 625, at least two of Physics 609, 611, 613, 615, or 617*, plus three elective courses at the 500 or 600 level, as approved by the GPD.
c) For students specializing in Radiation Oncology Physics: eight half-course equivalents, including Medical Physics 623, 625, 633, 637, 638, 639; two of Physics 609, 611, 613, 615, or 617*; and Medical Physics 632.

* Only one of Physics 615 and 617 can be taken as a core course.

Master of Science (course-based)

This program may be taken part-time or full-time, and requires the following:
a) A student must choose one of the three broad areas of specialization: astrophysics, physics, or space physics. Medical physics and Radiation Oncology Physics are not available as a course-based degree.
b) Ten half-course equivalents, including Physics 603, 605, 609, 611, 613, and one of 615 or 617*.
c) Four half-course equivalents, depending upon the area of specialization:
   Astrophysics – Astrophysics 699 plus three half-course equivalents labeled ASPH (two of these may be at the 500 level). Physics 629 and Space Physics 679 may be taken instead of Astrophysics courses.
   Physics – Physics 699 plus two half-course equivalents labeled ASPH, PHYS, or SPPH (these may be at the 500 level) plus one half-course equivalent labelled PHYS, at the 600 level or above.
   Space Physics – Space Physics 699 plus three half-course equivalents labeled SPPH, at the 600 level or above. Physics 509 may replace a SPPH course.
 d) A comprehensive examination with a written and oral component.

Doctor of Philosophy

a) A minimum of two half-course equivalents at the 600 level or higher for students who hold a master's degree.
b) A minimum of six half-course equivalents at the 600 level or higher for those entering the doctoral program without a master's degree.
c) For students specializing in Radiation Oncology Physics who do not hold an accredited MSc degree in Radiation Oncology Physics, Medical Physics 623, 625, 632, 633, 637, 638, 639, and two courses from Physics 609, 611, 613, 615, or 617*.