# New Course Proposal Form

**1.** Will this new course affect a current program?  
[ ] Yes  [ ] No  
If "yes", has a Program Revision Form been submitted concurrently?  
[ ] Yes  [ ] No

**2.** Teaching Department:  
PHYSICS

**3.** Administering Faculty/Unit:  
Science

**4.** Campus  
(Downtown, Macdonald, Off Campus, Distance Ed, Other – specify)  
Downtown

**5.** Effective Term of Implementation  
(Ex. Sept. 2004 = 200409)  
Term: 200605

**6.** Responsible Instructor  
Staff

**7.** Course Title (Limit 30 Characters) - required for all courses:  
Undergraduate Research Project

**8.** Course Number(s)  
Indicate course number & the number of terms spanned:  
(tick all that apply)

<table>
<thead>
<tr>
<th>Subject/course number:</th>
<th>PHYS 396</th>
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<tbody>
<tr>
<td>Course(s) Span:</td>
<td></td>
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<tr>
<td>1 term (Fall, Winter, Summer)</td>
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<tr>
<td>2 consecutive terms (D1, D2)</td>
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<td>2 non-consecutive terms (N1, N2)</td>
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<tr>
<td>3 consecutive terms (J1, J2, J3)</td>
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**9.** Course Title to Appear in the Calendar (optional)  
(Limit 59 characters):  
Note: This can ONLY be an expansion of word(s) abbreviated in the 30 character course title above.

**10.** Credit Weight  
(or CEU's for non-credit CE courses):  
3

**11.** Rationale for new course

PHYS 396 is part of the Faculty of Science initiative to increase undergraduate research opportunities. This course is designed to broaden the scope of research courses, to make them available to more students, and to make the undergraduate research component more interdisciplinary. The course would be open to students in any program offered by the Faculty of Science, would be an elective course, could be taken after one term of undergraduate studies, and could be taken by students whose major is outside the offering unit. The course will contain a significant research component that requires substantial independent work by students and a final report worth at least 50% of the final grade. Students will not be permitted to take this course under the S/U option.  
See attached document.

**12.** Course Description  
(as it will appear in the Calendar [maximum 50 words]):  
(N.B. Faculty of Medicine must append complete course outline)

Independent research project with a final written report.

**13.** Supplementary information to appear in the Calendar in addition to the course description.  
Such as: equivalent course(s), contact hours, enrolment limitations, language of instruction etc.  
Please enter the information as it should appear in the calendar notes.

Note that enrolment may be limited. Students are advised to start the application process well before the start of the term and to plan for an alternative course in the case that no suitable project is available. Individual projects will be suggested each term which may have project-specific prerequisites. Some projects may be accessible to students in other disciplines. See http://www.mcgill.ca/science/ours for more information about available projects and application forms and procedures.
14. Schedule Types(s):
(Enter all that apply – see course guidelines for a complete list.)
(i.e. Lecture, Labs, Tutorial)

<table>
<thead>
<tr>
<th>Project</th>
<th>Hours per Week</th>
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<tbody>
<tr>
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<td>9</td>
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Total Hours per Week: 9

Total Number of Weeks: 13

15. Projected Enrolment:
5 to 10 students per year.

16. Required text and/or preliminary reading list sent to library?
[ ] Yes [ ] No

17. Prerequisite(s) (Courses or Tests)
Specify course number(s) or name(s) of test(s):

See attached.

If the student does not have a prerequisite should web registration be blocked?
[ ] Yes [ ] No

If "Yes" complete A and B:
A. Indicate minimum grade or test score(s) the student must attain in prerequisite course(s) or test(s):

B. Can the prerequisite course(s) or test(s) be taken in the same term as this course?
[ ] Yes [ ] No

18. Corequisite(s) Course Number(s):
Specify course number(s) and title(s):

none

If the student does not register for the corequisite in the same term should web registration be blocked?
[ ] Yes [ ] No

19. Restriction(s):
THIS COURSE CANNOT BE TAKEN UNDER THE S/U OPTION.

Departmental permission required. Student cannot be supervised by same instructor for two 396 Science courses.

Open to students in programs offered by the Faculty of Science only.

20. Consultation Reports Attached
[ ] Yes [ ] N/A

21. Additional Course Charges (must be approved by the Fee Policy Committee)
Description of Fee (e.g. screening fee)

22. Requires Teaching, Physical, or Financial Resources
Not Currently Available (attach explanation)
[ ] Yes [ ] No
### INFORMATION FOR ADMISSIONS, RECRUITMENT & REGISTRAR'S OFFICE

<table>
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<th>Slot Course:</th>
<th>Yes</th>
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<th>Thesis Component:</th>
<th>Yes</th>
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### 23. Approvals:

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<th>Routing Sequence</th>
<th>Departmental Meeting</th>
<th>Departmental Chair</th>
<th>Other Faculty</th>
<th>Curric/Academic Committee</th>
<th>Faculty</th>
<th>SCTP</th>
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Prerequisites for PHYS 396:

At least one term of undergraduate studies, a CGPA of at least 3.0, or permission of instructor to waive these requirements. A project proposal form must be completed by the student and instructor and approved by the unit head or his/her delegate before the start of the term. Instructors will list project-specific prerequisites with the project description available through the Office for Undergraduate Research in Science (OURS) website. (see below).