'396' Undergraduate Research Project Application Form

Version: 200603

Office for Undergraduate Research in Science
Tel.: 514-398-5964 / Fax: 514-398-8102 / Dawson Hall, Room 211
Email: victor.chisholm@mcgill.ca Web: www.mcgill.ca/science/ours/

INSTRUCTIONS FOR STUDENTS

- **All fields are required, unless indicated otherwise.**
- Download and print this form. Complete Section C and sign.
- See "How students can apply" instructions in Section B.
- Your supervisor or department will tell you if you are selected for this project. If so, you will receive a code to register for a '396' course on MINERVA.

SECTION A: SUPERVISOR INFORMATION

Name: Jay Nadeau
Email: Jay.nadeau@mcgill.ca
Phone: 514-398-8372
Website: http://www.bmed.mcgill.ca/dotty
Supervisor's Department or Unit: Biomedical Engineering
Course Number: MIMM396

SECTION B: PROJECT INFORMATION

Term: Summer 2007
Project start & end dates: May 15 – Aug. 31, 2007

Project title: International genetically engineered machines competition (IGEM)

Project description: Design a microorganism with a novel function using the BioBricks building blocks provided by the MIT IGEM coordinators. Use molecular biology techniques to create this construct in a DNA plasmid and transform into bacteria. Analyze the phenotype and present the results at the Jamboree in Boston November 1, 2007
(7 Participants)

Prerequisites: 1 term completed at McGill + CGPA ≥ 3.0; or permission of instructor.

Grading scheme: 50% participation and results; 50% final report (final report may be written as a team)

Other: Please see www.igem2007.com

Status: Mark with an x. This project is…
[ ] Open to applicants
[x] Already taken; no more positions available this term
[ ] Taken, but contact me for other possible projects this term

Ethics, safety, and training: Which of the following, if any, is involved? Mark with an x.
[ ] Animal subjects
[ ] Human subjects
[x] Biohazardous substances
[ ] Radioactive materials
[x] Handling chemicals
[ ] Using lasers

For undergraduate students, ethics and safety compliance is the supervisor's responsibility.

How students can apply: Email me with your CV and a paragraph stating your reasons for interests in IGEM, and goals for the project.

EMAIL TO VICTOR.CHISHOLM@MCGILL.CA WHO WILL POST AT WWW.MCGILL.CA/SCIENCE/OURS/396/ .

SECTION C: STUDENT INFORMATION. (1) PRINT LEGIBLY AND SIGN. (2) SEE "HOW STUDENTS CAN APPLY" IN SECTION B.

Name: _____ **McGill ID:** _____

Email: _____@mail.mcgill.ca **Phone:** _____

Program: _____ (e.g., B.Sc. Maj. Chem. Minor Biology) **Level (circle one):** U0 / U1 / U2 / U3

I have not applied for another 396 course in this term.

Student signature: _____ **Date:** _____

SECTION D: APPROVALS. (1) PRINT NAMES & SIGN. (2) NOTIFY OFFICE FOR UNDERGRADUATE RESEARCH IN SCIENCE. (3) GIVE STUDENT CODE TO REGISTER FOR COURSE ON MINERVA.

Supervisor: _____ **Date:** _____

Unit Chair, Director, or designate - I certify that this project conforms to departmental requirements for 396 courses. _____ **Date:** _____