



# EMCP 2018

## ENRICHMENT MINI-COURSES PROGRAM

### CALL FOR COURSE PROPOSALS



An invitation to all teaching staff at Carleton University to participate in the upcoming enrichment program

#### ENRICHMENT OPPORTUNITY

Each May, Carleton University, the University of Ottawa, La Cité Collégiale and Saint Paul University offer a week-long enriched learning experience to bright and highly motivated students in grades 8-11 (Ontario) and Sec. 2-5 (Québec).

Over the 38-year history of the program, the number of school boards participating from eastern Ontario and western Québec has increased from the original 4 to 22. Over 3,000 students participate, with a third of these students coming to Carleton. The program has introduced students to the educational resources and programs at Carleton.

We look forward to hosting 1000 high school students in May, we need approximately **50 mini-courses** to successfully run the program. We invite you to participate in this annual event by proposing mini-courses for the week of **May 7 to May 11, 2018**.

Please complete the online course proposal form at <https://carleton.ca/emcp/mini-courses/important-dates-for-emcp-instructors-2/>. If you are a graduate student planning to teach the mini-course, **please include the name of your approving faculty advisor with your course proposal. Proposals submitted without approval of your faculty advisor will NOT be considered** (your faculty advisor must review your proposals).

**IMPORTANT: Police Records Check is required to teach an EMCP course.**

If you require further information, please contact [emcp@carleton.ca](mailto:emcp@carleton.ca) or call 613.520.2600 ext. 1898. You can also visit the websites at [www.carleton.ca/emcp](http://www.carleton.ca/emcp) and <http://www.emcp-pmce.ca>

#### COURSE PROPOSAL GUIDELINES

Submissions must:

- have a “cool” title (to appeal to a young audience)
- be 125 words or less
- be submitted online
- include the name of a faculty sponsor if you are a graduate student
- identify any special room requirements when submitting your proposal
- **If you will be covering mature or sensitive topics or issues, please be specific in your outline.** The largest percentage of participants is grade 8 students.

*The deadline for submission is Friday, November 3, 2017.*

**IMPORTANT:** A phone interview may be required to verify your course proposal.

#### WHO IS INVOLVED?

##### The Students

Bright and highly motivated students enrolled in grades 8-11 (Ontario) and Sec. 2-5 (Québec) are selected by their school and recommended to their school board to participate. Generally, these students respond well to a week of varied activities (e.g. lectures, small group discussions, field trips, guest lecturers, debates, mock hearings, films, etc.) rather than a week of solid lectures.

##### The Instructors

The mini-courses are designed and taught by Carleton University faculty members and their designated graduate students, representing programs from the faculties of *Arts and Social Sciences, Public Affairs, Spratt School of Business, Science, and Engineering and Design*. Our selection is made and compared with the offerings of the other provider institutions to ensure that overlap is kept to a minimum. The resulting calendar of courses is shared with the reviewing committee and then submitted to the main EMCP organizer. The course listings then are distributed to the participating school boards which manage their registration for their students.

#### THE “OTHER” DETAILS

The EMCP classes will be held on campus during the week on **May 7 to May 11, 2018**, (Mon. to Fri.), 9:00 am to 3:00 pm daily.

##### Remuneration

The stipend for the week will be **\$1000.00** per mini-course of no more than 22 students.

##### Course Preparation

An Instructors' Info workshop and luncheon will be held on Wednesday, **March 28, 2018** (*time and location-TBA*); former EMCP instructors will share their experiences and offer advice to help new instructors finalize the design of their course.

## CLASS ORIENTATION

A class orientation will be held on Sunday, *May 6, 2018*. The event provides students and parents with an opportunity to visit the campus, find their way to their respective classrooms and to meet their classmates and instructor. All instructors **must** attend the orientation.

### VERY IMPORTANT NOTICES:

**-Proposals submitted are on the condition** (contract to be signed) **that you or your facilitator will be available to attend the Orientation on Sunday, *May 8, 2018*.**

**-It is strongly suggested that if you have doubts or you are not sure of your schedule in *May 2018*, please DO NOT APPLY!**

**-For emergency purposes, you MUST provide the name of a substitute teacher; otherwise your faculty advisor will be delegated to teach your class.** If there are any problems please email [nestor.querido@carleton.ca](mailto:nestor.querido@carleton.ca)

**-IMPORTANT: *Police Records Check* is required.**

### **Police Records Check (PRC):**

The cost is \$15 and the individual will have to pay up front. Please bring us the receipt for reimbursement. Unfortunately, you the EMCP instructor will have to go down to the police station and get the records check yourself; this isn't something EMCP can really assist you with, other than to give you the form and the cover letter (TBA) identifying you as the instructor. Provided below is the link for the FAQ on PRC, in case you want to find out more.

<http://www.ottawapolice.ca/en/contact-us/FAQs.asp>

1. It will take about 10 weeks to get the PRC back
2. It will be mailed directly to the person requesting the PRC
3. They will need two pieces of ID, both pieces of ID must have name, date of birth, valid Ottawa address, and at least one piece of ID must have the recipient's photo identification on it.
4. Accepted methods of payment: Cash, Debit, Visa, MasterCard, Amex.

EMCP Instructors' Luncheon: Fri. <i>March 28, 2018</i> EMCP Orientation: Sun., <i>May 6, 2018</i> EMCP Week: Mon. – Fri., <i>May 7–11, 2018</i>
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## WHAT HAS BEEN OFFERED BEFORE?

### Course Samples

#### Faculty of Arts and Social Sciences

##### *A Journey through the Human Mind*

Mood, fears, feelings, and beliefs are subjective and vary from one time to another. They are the products of both the environment and our own brain. This course will look at the myths and stereotypes regarding mental health problems, the ways to decrease fear and stigma, and how research can unravel the causes of mental health illnesses and develop new treatments. Learn about research techniques including a video game that tests memory and attention, a virtual reality system testing physical ability, computers that record sleep and brain wave activity and much more! In the end, you will increase your awareness of the importance of mental health and discover the tools to improve it.

#### Faculty of Public Affairs and Management

##### *China: Crouching Tiger, Hidden Dragon*

China is a rising world power. Yet many 'Westerners' have a limited understanding of how people live, work, and think in this vast and dynamic country. Over five days, we will explore various aspects of China including this country's political structure, military, economy, culture, myths, and symbols. Were rice and eggs used to build the Great Wall? Did the Chinese really invent soccer (football)? Through lectures, discussions, and videos, students will discover the answers to these questions and more in a fun and interactive environment. If you are interested in learning about China's place in the world, then this course is for you!

#### Faculty of Science

##### *Is There a Chemist in the Court?*

In this course we will explore how chemistry can play a role in detective work. Find out, through discussion and lots of hands-on experiments, how chemists deal with the scientific, legal, and ethical aspects of social issues. Is an athlete on steroids? How can a chemist tell? Test a sample for food additives; a small mistake on a label can kill a person with allergies! Discover whether the "genuine Rembrandt" painting is a fraud. Finally, perform a DNA extraction. See how useful and fun Chemistry really is! Will your evidence stand up in court?

#### Faculty of Engineering and Design

##### *Signals in Action!*

In a typical day, a teenager might watch a DVD, send some emails, and maybe listen to their iPod. All of these are made possible because of electrical signals! The electrical signals that our own body generates keep our heart beating, our brain ticking, and our legs moving. Engineers use their knowledge of biology, chemistry, computers, physics, and math to help understand how these signals are generated, and then use their skills to make these signals useful. Some real world examples include...taking (and making changes to) a digital photo, measuring a fetal heart rate, ripping a CD, allowing a person to control their artificial leg, and letting a computer "sniff" out diseases. In this mini-course, students will learn about, and get hands-on experience measuring and manipulating various images, audio, and biomedical signals in the lab. We'll give you the opportunity to hear more about this exciting field from the experts, and you'll create a design that gives you a chance to put your new skills into action!