

**CP8101 Research Methods for Computer Science  
Course Management Form  
Fall 2014**

**Instructor:**

Prof. A. Ferworn

Office: 416-979-5000 x 6968 (I am not normally in my office, it is best to use email to contact me)

Email: [afeworn@scs.ryerson.ca](mailto:afeworn@scs.ryerson.ca) (I answer email very quickly)

**Time and Location:**

Tuesdays from Sept 4<sup>th</sup> until Nov 27<sup>th</sup> from 3 to 6 PM in room ENG105

There will be no class on September 18<sup>th</sup> nor will there be a class during study week (16 Oct).

**Calendar Description**

*CP8101 Research Methods for Computer Science:* This course is intended as a transition to research-based learning for computer science graduate students. It is designed to assist students in developing skills necessary to design and execute a research protocol. The course is intended to complement the specific research programs devised by the student and their advisors. The course covers the following topics: nature of scientific inquiry; library skills; formulation and testing of hypotheses; experimental design; statistical analysis of data; human subjects; use of humans and animals in research; and professional responsibility in research.

Lect: 3 hrs.

**Reference Material**

Item	Description	Comments
Course Web Site	<a href="http://www.scs.ryerson.ca/~afeworn/courses/CP8101/INDEX.HTML">http://www.scs.ryerson.ca/~afeworn/courses/CP8101/INDEX.HTML</a>  <b>NB: This is not a Blackboard site.</b>	The course web site contains a set of course notes, other resources and assignments. In addition I will put announcements on the site as they become pertinent.
Text	None	There is no mandatory text as there does not appear to be a research methods book available for Computer Science.

**Student Evaluation**

Item	Value	Tentative Dates
Class Notes Assignments (2)	30%	Found at end of each section of Course Notes. First 2 weeks of class
Literature Review Assignment	30%	Given 25 Sept (3 weeks to complete (Due on 16 <sup>th</sup> Oct)
Mock NSERC Discovery Grant Assignment	40%	Given 16 <sup>th</sup> Oct (available on course web site) See assignment statement for due dates (yes, dates).

The grade you achieve on the course will be converted into a pass (P) for the course if you achieve over 70% of the available marks.

**General Information**

Announcements will periodically be made in class...these will not be repeated, Details will often be provided on the announcements portion of the course web site. Students are responsible for checking the

course web site for all instructions relating to the course and for announcements. This must be done at least once on the day of a class. The course will consist of lectures and assignments. Modifications to the course procedures will be made in consultation with the course students.

## Academic Integrity and Plagiarism

Ryerson's Policy 60 (the Student Code of Academic Conduct) applies to all students at the University. The policy and its procedures are triggered in the event that there is a suspicion that a student has engaged in a form of academic misconduct.

Forms of academic misconduct include plagiarism, cheating, supplying false information to the University, and other acts. The most common form of academic misconduct is plagiarism. Plagiarism is a serious academic offence and penalties can be severe. In any academic exercise, plagiarism occurs when one offers as one's own work the words, data, ideas, arguments, calculations, designs or productions of another without appropriate attribution or when one allows one's work to be copied.

All academic work must be submitted using the citation style approved by the instructor. The most common citation style is APA. Students may refer to the Ryerson Library for APA style guide references: <http://library.ryerson.ca/guides/toolbox/style/>

It is assumed that all examinations and work submitted for evaluation and course credit will be the product of individual effort, except in the case of group projects arranged for and approved by the course instructor. Submitting the same work to more than one course, without instructor approval, is also considered a form of plagiarism.

Students are advised that suspicions of academic misconduct may be referred to the Academic Integrity Office (AIO). Students who are charged with academic misconduct will have a Disciplinary Notation (DN) placed on their academic record (not on their transcript) and will be assigned one or more of the following penalties:

- A grade reduction for the plagiarized work
- A zero for the plagiarized work
- An F in the course
- More serious penalties up to and including expulsion from the University

For more detailed information on these issues, please refer to the full online text for the Student Code of Academic Conduct at <http://www.ryerson.ca/senate/policies/pol60-F2014.pdf> and the Academic Integrity Website at [www.ryerson.ca/ai](http://www.ryerson.ca/ai).

### DATA: BY THE NUMBERS

