

CARLETON UNIVERSITY  
SCHOOL OF COMPUTER SCIENCE  
COMP 1005/1405 - INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING  
COURSE OUTLINE

## CLASS SCHEDULE

Monday and Wednesday  
18:05 – 20:55  
Azrieli Pavilion, Room 132

## INSTRUCTOR

**Petro Verkhogliad**  
email: [pverkhog@scs.carleton.ca](mailto:pverkhog@scs.carleton.ca)  
office: HP 5369  
www: <http://scs.carleton.ca/~pverkhog/comp1405/>

## TEACHING ASSISTANT(S)

Alex Honeywell  
Tuesday and Thursday  
17:30 - 19:00 in HP 3341  
[alex.honeywell@gmail.com](mailto:alex.honeywell@gmail.com)

Toby Murray  
Monday and Wednesday  
16:30 - 18:00 in HP 3341  
[tmurray@connect.carleton.ca](mailto:tmurray@connect.carleton.ca)

## EVALUATION

- Four (4) assignments based on the class lectures (10% each)
- Two (2) tests (10% each)
- One (1) final exam (40%)

## COURSE DESCRIPTION

This course is meant to be a first course in problem solving and computer programming. It provides an introduction to object-oriented programming including concepts such as:

- syntactic constructs (i.e., control structures)

- data abstraction (i.e., object building and encapsulation)
- classes and inheritance
- typing and polymorphism
- testing

The programming language used is Java. The course does however, teach fundamental object-oriented programming concepts which can be applied to other programming languages as well. The major objectives of the course include:

- Introduce fundamental programming concepts and some software engineering concepts.
- Emphasize problem solving as well as programming skills and good practices.
- Understanding how to test and debug code.
- Develop solutions using abstraction.

## REQUIRED & SUGGESTED TEXTBOOKS

There is no “perfect” book for this course. There are many JAVA books and all are good for some things. Instead, to save you money, we have developed an extensive set of course notes that will be sufficient for the course. Course notes are available from the CCSS (Carleton Computer Science Society) office which is at the back of room 4139HP. The CCSS is run by students and so there is not always someone in the room.

## ASSIGNMENTS

There will be mandatory tutorials and 4 assignments in this course. Assignments will be posted on the course web page. All tutorials and assignments are counted towards your final grade. Check the tutorials section of the course web site to see the times and rooms to which you are assigned. You must attend the tutorial’s time and location to which you have been assigned.

Assignments must be submitted electronically. You should submit your assignments at least one day before the due date, even if your assignment is not complete. When you finish the assignment, you can submit it again, which will overwrite whatever you submitted before. **LATE ASSIGNMENTS WILL NOT BE ACCEPTED.**

Any complaints regarding assignment marks should be brought to the attention of the TA who marked it (only if the TA does not address the problem to your satisfaction should you bring the matter to the instructor). This should be done no later than two weeks after your assignment is marked. After this time, no remarking will be done.

You should take the time to ensure that assignments are neat, legible and easy to understand. If there are any instructions required by the teaching assistants (for example any assumptions you made about the assignments) they should be clearly indicated in a separate README.TXT file, included with the assignment. Remember, it is YOUR responsibility to demonstrate that you have understood and completed the assignment. A significant portion of your grade for assignments will be given for their readability and for your demonstration that you have completed the assigned tasks.

Copying of assignments is not allowed. All students involved in cheating will be reported to the Dean. While you are encouraged to discuss and share ideas with fellow students, the code you write and hand in must be your own.

Note: anyone who misses an assignment or the midterm for medical reasons will have that portion of their mark assigned to the final exam. All such exceptions must be arranged with the instructor within a week of the assignment due date, official documentation of illness is required and the exception is only granted at the discretion of the instructor.

## LABS

There are various computer laboratories in the Herzberg (HP) building that you may use for this course. Some of the labs require access cards and are meant for computer science students only. Basically, for this course, the main lab for use by COMP1005/1405 students is in 3341HP which does not require card access. In addition, you may use the tutorial labs 3115HP and 4115HP when they are not being used for tutorials (i.e., usually late in the day or at night, but you will need to look at the schedule that is posted on the doors of those labs). For COMP1405 students, the additional 4125HP lab is available (access card required). Note however, that there are students in other courses who will also be making use of these labs, so they can get crowded at times. It is never a good idea to rely on machines being available close to the due dates of assignments. The lab hours are typically from Monday to Friday 8:00-23:00 and Saturday 8:00-17:00. Note that labs are closed on holidays!! All labs are equipped with PCs which are connected via a network to printers and a file server. Printers are located in 4125HP and 3341HP but require a "campus card" with sufficient funds. However, you will NOT have to print your assignments out to hand them in.

For labs that require an access card you must register with University Safety in 203 Robertson Hall, telling them your name, student number and course number that allows access to the lab. If you do not have an access card, you must go on Tuesdays 8-12 am. or Thursdays 8-12 am.. University Safety charges \$10 per access card, the fee is non-refundable. If you already have a card, you can either call University Safety at 520-2600 x 3559 or email [gaston\\_taylor@carleton.ca](mailto:gaston_taylor@carleton.ca) to have your access card enabled.

Since labs can get crowded and hot, we recommend that you work on your assignments from home or on your laptop (if possible). Remember though, to submit your assignments online, you should always plan to do this from one of the labs at the University.

## STUDENT ACADEMIC INTEGRITY POLICY

Every student should be familiar with the Carleton University student academic integrity policy. A student found in violation of academic integrity standards may be awarded penalties which range from a reprimand to receiving a grade of F in the course or even being expelled from the program or University. Some examples of offenses are: Plagiarism and Unauthorized Co-operation or Collaboration. The Academic Integrity Policy (Apr. 26, 2006) can be found here: [http://www.scs.carleton.ca/school/download/ac\\_integrity\\_apr26\\_2006.pdf](http://www.scs.carleton.ca/school/download/ac_integrity_apr26_2006.pdf).

## PLAGIARISM POLICY

As defined by Senate, "plagiarism is presenting, whether intentional or not, the ideas, expression of ideas or work of others as one's own". Such reported offenses will be reviewed. A student found in violation of regulations may be awarded penalties which range from reprimand to receiving a grade of F in the course or even being expelled from the university.

## UNAUTHORIZED CO-OPERATION OR COLLABORATION

Senate policy states that "to ensure fairness and equity in assessment of term work, students shall not co-operate or collaborate in the completion of an academic assignment, in whole or in part, when the instructor has indicated that the assignment is to be completed on an individual basis". Please refer to the course outline statement concerning this issue.

## STUDENTS WITH DISABILITIES

Students with disabilities requiring academic accommodations in this course must contact a coordinator at the Paul Menton Centre for Students with Disabilities to complete the necessary Letters of Accommodation. After registering with the PMC, make an appointment to meet and discuss your needs with the course instructor in order to make the necessary arrangements as early in the term as possible. Accommodations

for in-class tests and for assignments should be discussed with the course instructor as early as possible (within the first two weeks of class for those courses with early tests/assignments) and supported by the Paul Menton Centre.

#### FOR RELIGIOUS OBSERVANCE

Students requesting academic accommodation on the basis of religious observance should make a formal written request to their instructor(s) for alternative dates and/or means of satisfying course requirements. This request should be made within the first two weeks of the academic term, or as soon as possible once the need for accommodation becomes known. Instructors will make reasonable accommodations in a way that will avoid academic disadvantage to the student. Further information on accommodation on the basis of religious observance may be found on the Equity Services website at [http://carleton.ca/equity/accommodation/a\\_religion.htm](http://carleton.ca/equity/accommodation/a_religion.htm)

#### FOR PREGNANCY

Pregnant students requiring academic accommodations are encouraged to contact an Equity Advisor in Equity Services to complete a letter of accommodation. The student must then make an appointment to discuss her needs with the instructor at least two weeks prior to the first academic event in which it is anticipated the accommodation will be required.

#### MEDICAL CERTIFICATES

The following is a link to the official medical certificate accepted by Carleton University for the deferral of final examinations or assignments in undergraduate courses. To access the form, please go to <http://www.carleton.ca/registrar/forms.htm> Graduate students should contact the Graduate Studies and Research Office for documentation guidelines