

# APCO / IASC 1P93 - Course Outline

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## Description:

Modern software techniques including problem solving and design of effective algorithms, structured program design methodology, subprogram library usage, documentation, correctness, floating-point arithmetic and error analysis.

## Restrictions:

Restriction: not open to COSC (single or combined), BCB, CAST and CNET majors.  
Completion of this course will replace previous assigned grade and credit obtained in COSC 1P93.  
Prerequisite: APCO 1P00 or 4U MATH credit.

## Lectures:

Tutorials	Tuesdays (6:00 - 6:50pm)	in TH257
Lectures	Tuesdays (7:00 - 9:50pm)	in TH257

## Labs:

All Labs will be in J301. Note - There will be NO labs during the first week.

1	T	1600 – 1800
2	W	1600 – 1800
3	W	1000 – 1200

## Course Instructor:

[James Bell](#)

Available for consultation: TBA or by email ([jdbell@brocku.ca](mailto:jdbell@brocku.ca))

## Required Texts:

*C Programming: A Modern Approach. 2<sup>nd</sup> edition.* K.N.King – W.W Norton and Company Inc. ISBN: 978-0-393-97050-3

## Materials and Equipment:

You may use your home computer if you connect to the Sandcastle Terminal. The course exercises and assignments require the use of a C Compiler, which is available for use in J301.

## Important Dates:

Tues Jan 10 <sup>th</sup>	First Day of Lecture
Feb 20 – Feb 24	Reading Week (no lecture, tutorial or labs)
Tues Feb 28 <sup>th</sup>	In Class Test
Tues Apr 3 <sup>rd</sup>	Last Day of Class
April	Final Exam (time and location tbd)

## Intended Topics:

- Introduction to Computers
- Introduction to C Programming
- Structure of a C Program
- Expressions
- Decision making
- Repetition - Looping
- Functions
- File I/O
- Arrays

## Marking Scheme:

Course Work	% of final mark
Labs (5)	10%
Assignments (3)	30%
In Class Test	20%
Final Exam	40%

## Assignments:

Assignment	Due Date:	Accepted Late Until:
1	Wed Feb 8, 9:00 am	Fri Feb 10, 4:00 pm
2	Wed Mar 7, 9:00 am	Fri Mar 9, 4:00 pm
3	Wed Mar 28, 9:00 am	Fri Mar 30, 4:00 pm

## Important Notes:

1. Scheduled APCO 1P93 **Computer Labs begin Tuesday January 17th.**
2. All correspondence to students is emailed to the Badger email accounts. It is vital that you check it for messages regularly.
3. Assignments are due at the times specified above and will be accepted late until the indicated date/time, subject to a penalty of 25%. After this late date, a mark of zero will result.
4. Marked assignments will be returned to students via room J333 during the times posted on the door.
5. The Department of Computer Science requires that all assignment submissions be accompanied by a signed cover page. This [cover page](#) and submission instructions are obtained via the web.
6. The Department of Computer Science views plagiarism very seriously. It is important that each student become familiar with the [Department's](#) and [Brock's](#) view of plagiarism. Links to these policies are provided via the [cover page](#).
7. The Term Test (midterm) will be held during class on Tuesday Feb 28th
8. A mark of at **least 40% on the final exam is required to achieve a passing grade** in this course.
9. For the test and the exam, no electronic devices, especially electronic dictionaries, cell phones, iPods, MP3 players, will be allowed in the test room. As well, no paper dictionaries will be permitted.

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URL of this document: <http://www.cosc.brocku.ca/Offerings/APCO/1P93/documents/outline.pdf>

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