

## CSE1301 - Computer Programming General Practical Class Information Semester 2, 2004

### The Nature of Computer Science Pracs

In order to develop programming skills, students need to practise programming. This is done during prac classes. However, most students will need to practise programming outside the set time for practical classes. This is one thing that makes Computer Science different to many science subjects, where practice in laboratory skills is often confined to the scheduled laboratory classes. Another difference with science pracs is that in Computer Science Pracs, there is more emphasis on practising skills, and less on discovery of principles by experiment (though there is certainly some of both of these in all kinds of pracs).

### Preparation

You will be expected to read through the practical notes before each prac class, and to perform the preparatory tasks described in the notes. Some time may be spent in the tutorial class preceding a practical session for a brief discussion of the requirements of the week's practical session. **You should therefore ensure that your tutorial class is held before your practical class.**

You must devote considerable thought to the prac work prior to attending the prac class. If you have trouble preparing for the prac, you should seek assistance from the Assistant Lecturer or the Lecturers during consultation hours.

### Marking

All practical classes will be assessed. Each assessed prac has a marking scheme. In general, some marks will be allocated to exercises to be prepared before the prac class. These exercises may consist of programming work or written work, and will be marked at the beginning of the prac class. Preparation marks can be earned **only** at the beginning of the class: you cannot receive marks for the preparation work if it is done after the class has begun. However, you may still need to do the preparation work in order to be able to complete the prac questions.

Programming questions will be marked by the demonstrator **only** during the prac class. No marks will be awarded for programs completed after the end of a prac class. No extensions will be given.

Programs will be marked for correctness, programming style, adequate testing and documentation. A standard marking sheet will be used. During the marking, you may be asked questions to show your understanding of your program.

**Important Hurdle:** If your program does not compile, you can receive only (*maximum mark/2 - 1*) marks for it (that is, one less than 50%). This means you need to write your programs incrementally. You also need to make back-up copies of working (although incomplete) versions of your programs before making changes.

You are responsible for making back-up copies of your programs. Faulty floppy disks, accidental deletion, lost files and other such problems are unacceptable excuses for failure to submit your prac work. You will learn how to make back-up copies of your programs in your first practical class.

### Attendance

Attendance for the first two hours of each practical class is compulsory. The third hour is optional, but may well be required in order to complete the assessed tasks.

If you miss a prac or tutorial class for medical reasons, you must submit an Absentee Form together with a medical certificate covering the date of your missed class. Failure to do so will result in you being marked absent for the class and receiving zero marks. (If you miss a prac or tutorial for other reasons, a letter of explanation may be accepted in exceptional circumstances. Attach any documentary evidence, for example, a police report or plane boarding pass.) Absentee Forms are available from the General Office (Clayton), and should be handed in to the General Office no more than one week after you return to University. After consideration by the Assistant Lecturer, your "absent" will be changed to a "sick".

At the end of semester, your mark for practicals marked "sick" will be changed to an average of the marks of the practicals you attended, provided you have attended practicals that are worth at least 110 marks. This means you can only miss practicals worth up to 40 marks.

If you miss a practical in a particular week, and attend a different practical class in the same week, make sure your mark for that practical is appropriately recorded. To this end, send email to [1301AL@csse.monash.edu.au](mailto:1301AL@csse.monash.edu.au) with the following information:

**NAME :**

**STUDENT ID :**

**DATE OF MISSED PRAC :**

**DATE OF REPLACEMENT PRAC :**

**REGULAR PRAC:** the time and place of your regular practical, and the name of your demonstrator.

**REPLACEMENT PRAC:** the time and place of the practical you attended, and the name of the demonstrator.

### Policy on Cheating

All work submitted for assessed pracs must be your own work. Discussion of the assignment with classmates is acceptable. **Collaboration on writing algorithms or coding is NOT acceptable.** Direct copying of algorithms or code is not acceptable. Students caught collaborating or copying, and students who knowingly allow their work to be copied, will receive zero for the prac concerned, and further disciplinary action within the University may be taken.

We employ an automatic cheating-detection program. As a result, students must submit their practical work electronically. Electronic submissions can be made by accessing the following website: <https://www.csse.monash.edu.au/~pracwork/cgi-bin/student/submit.cgi>

### Advanced Prac Component

Students who have completed the standard assessed pracs may wish to attempt an additional, more advanced component. Some of these advanced exercises may have bonus marks available. If an advanced component has bonus marks available, only students who have completed the standard assessment can be marked for the advanced component.

### Prac and Tutorial Material On-line

All prac notes and exercises will be available at  
<http://www.csse.monash.edu.au/courseware/cse1301>

### Practical Class Summary

Prac Class	Topic	Marks Available	Marks Received
P1	Getting Started	5	
P2	Simple Algorithms	5	
P3	Arithmetic and Boolean Expressions	10	
P4	Selection & Iteration	10	
P5	Functions	10	
P6	Pointers	15	
P7	Arrays	15	
P8	Strings and File I/O	15	
P9	Structures	10	
P10	Recursion	10	
P11	Numerical and Search	10	
P12	Sorting	10	
	Individual Project	25	
Total		150	

Note that :

- The 150 marks available will be converted into the 30% of your final mark for CSE1301.
- If a student attempted all the Advanced Components, the maximum marks available, including the bonus marks, can be more than 150. If a student completed all pracs and the advanced components perfectly, in theory, s/he can get more than 30 marks towards the final CSE1301 mark.