**Assessment Brief for Programming in C –**

**Forest Fire**

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| **Assessment information** | |
| Unit name | Programming in C |
| Unit code | COMSM1201 |
| Assessment number | 2 (but 1st marked assessment) |
| Assessment name | Forest Fire (2D Arrays) |
| Assessment prepared by | Neill Campbell |
| Assessment type | Coursework |
| Credit value | **10%** of 30cp unit |
| Expected time to complete\* | Less than 1 week, very approximately. |
| Submission format | Via Blackboard – **one** file: forest.c. You can submit as often as you like, old files are automatically overwritten. I’ll only mark your latest submission. Any submissions that are late (even by 1 second) are automatically given a late penalty; my feedback will not show this. |
| Deadline | 30/10/2020 (Friday afternoon, Week 4 @ 13:00) |
| Deliverable | **One** file entitled *forest.c –* do not submit Makefiles, libraries, neillsimplescreen.c etc. My own Makefile will be used. |
| Learning outcomes being assessed | * To be able to write a program, given a brief specification that compiles and executes correctly. * The ability to program in the C90 (ANSI) C standard, and in the style outlined in the house-style guidelines. * How to utilise, amongst others; (fixed-size) 2D-arrays and functions. * To be able to build a program from a suite of small, well tested functions. * To be able to debug simple programs on your own. |
| Assessment criteria | Conformance to the house-style guidelines, assert testing, short readable functions. |
| Additional resources | “Live” Q&A sessions esp. Thursday week 3 (Rule110), week 2 peer assessment. Week 3 exercises. |
| Support for this assignment | 6 hours of labs in week 4. |
| Additional advice to students | Use house-style guidelines. Write one function, test it thoroughly, then write the next. DO NOT wait until the end to do testing – it will be obvious and have had no impact on the style of the program. |
| **Feedback information** | |
| Feedback mode/method | Written feedback from Neill, and, additionally, at any time verbally during lab sessions. |
| Planned feedback date | Maybe as early as Friday week 6. |
| Useful previous feedback | Peer Assignment. |
| Future feedback use | Next assignment |