

New Module : Computing in the Classroom

The Computing in the Classroom module will operate as part of a national scheme called the **Undergraduate Ambassadors Scheme (UAS)** (www.uas.ac.uk) that is supported by the Department for Education and Skills. UAS works with universities all over the country to develop similar modules in other science, technology, engineering and mathematics departments, and has links with various other subject organisations and professional institutions.

It has been run for 2 years now at Glasgow University and everyone involved (teachers, students, lecturers) are very enthusiastic about it.

This module will be a 4th year option available to Information Systems, Computing Science and Software Engineering students.

This module will reward the student with academic credit for working as a 'student-tutor' for about half a day per week for approximately 14 weeks with a teacher in a local school whilst enabling them to learn important, marketable and transferable skills. The student starts by observing, gradually takes a more active role and finally develops their own special project such as creating a new workshop for the class. There will be initial training sessions in September before the students go into the classroom, and regular tutorials to discuss issues arising with their peers and the module lecturers.

The student will acquire many transferrable skills related to communication, whilst acting as an ambassador for their subject and Heriot Watt. This module should also increase our links with local schools and aid recruitment.

The module will be spread over 2 semesters. This has been recommended by other universities to ensure that everyone (teachers, pupils, students) get the best benefit from the module. They will therefore need to work more on the 4th year project (modules F20PA , F20PB, F20PC) in the first semester to compensate for spending some time on the UAS in the second.
Semester 1 : UAS 0.5 module, 4th Year Project 1.5 module, 2 module options;
Semester 2 : UAS 0.5 module, 4th Year Project 1.5 module, 2 module options.

The assessment for this module will comprise four components:

1. A Log Book. (25%)
2. An end of module written report. (25%)
3. A talk during the last week of the Semester (at the University). (25%)
4. An assessment by the teacher, moderated by the University (25%)

Monica Farrow, Rob Pooley, Judy Robertson