

Module Title	Emerging Technologies	School	Mathematical & Computer Sciences				On or Off-Campus	On-campus	
Module Co-ordinator	Sandy Louchart	SCQF Level	7	Module Code	F27EM	Semester	1	Credits	15

1. Pre-requisites	None		
2. Linked Modules (specify if synoptic)	F27TS - Technology in Society (not synoptic)		
3. Excluded Modules			
4. Replacement Module	Code:	5. Availability as an Elective	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Date Of Replacement:		
6. Degrees for which this is a core module	Optional module for BSc Computer Science, Information Systems & MEng Software Engineering		
7. Aims	To explore emerging technologies through a variety of project work		
8. Syllabus	<p>Mixed CS/IS groups carrying out 4 projects, each of 3 weeks in duration. Projects will vary, but the following are typical projects:</p> <ul style="list-style-type: none"> ◆ Controlling robots ◆ Programming mobile/hand-held devices ◆ Games ◆ Ant based systems (biologically inspired computing) ◆ Data-mining 		
9. Learning Outcomes (HWU Core Skills: Employability and Professional Career Readiness)	<p>Subject Mastery <i>Understanding, Knowledge and Cognitive Skills</i> <i>Scholarship, Enquiry and Research (Research-Informed Learning)</i></p> <ul style="list-style-type: none"> ◆ The ability to carry out basic background research in a defined area ◆ Active exploration of a problem domain within the department's research portfolio ◆ Develop problem solving strategies which are applicable across domains. ◆ Reporting achievement 		

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Personal Abilities	<i>Industrial, Commercial & Professional Practice Autonomy, Accountability & Working with Others Communication, Numeracy & ICT</i>								
	PDP <ul style="list-style-type: none"> ◆ Report writing ◆ Presentation skills ◆ Skills for working in larger groups ◆ Time management ◆ Peer evaluation (where applicable) 								

10. Assessment Methods				11. Re-assessment Methods	
Method	Duration of Exam (if applicable)	Weighting (%)	Synoptic modules?	Method	Duration of Exam (if applicable)
Coursework		100%		Coursework	

12. Date and Version							
Date of Proposal	October 2007	Date of Approval by School Committee	12 December 2007	Date of Implementation	September 2008	Version Number	