SOFTWARE DESIGN AND DEVELOPMENT

HSC Outcomes

H1.1 explains the interrelationship between hardware and software
H1.2 differentiates between various methods used to construct software solutions
H1.3 describes how the major components of a computer system store and manipulate data
H2.1 explains the implications of the development of different languages
H2.2 explains the interrelationship between emerging technologies and software development
H3.1 identifies and evaluates legal, social and ethical issues in a number of contexts
H3.2 constructs software solutions that address legal, social and ethical issues
H4.1 identifies needs to which software solutions are appropriate
H4.2 applies appropriate development methods to solve software problems
H4.3 applies a modular approach to implement well-structured software solutions and evaluates their effectiveness
H5.1 applies project management techniques to maximise the productivity of the software development
H5.2 creates and justifies the need for the various types of documentation required for a software solution
H5.3 selects and applies appropriate software to facilitate the design and development of software solutions
H6.1 assesses the skills required in the software development cycle
H6.2 communicates the processes involved in a software solution to an inexperienced user
H6.3 uses and describes a collaborative approach during the software development cycle
H6.4 develops and evaluates effective user interfaces, in consultation with appropriate people

HSC Course Requirements

Components	Weighting %	TASK 1	TASK 2	TASK 3	TASK 5
		Term 4 Week 9	Term 1 Week 9	Term 2 Week 7	Term 3 Exam Week
		Skills task	Theory Assignment	Major project	Trial Exam
		H4.2, H5.2, H6.1, H6.3, H6.4	H1.1, H1.2, H2.1, H3.1, H6.1	H3.2, H4.1, H4.2, H4.3, H5.1, H5.2, H5.3, H6.1, H6.4	H1.1, H1.2, H1.3, H2.1, H2.2, H3.1, H6.2, H6.1
Knowledge and understanding of course content	50	5	15	10	20
Knowledge and skills in the design and development of software solutions	50	15	5	20	10
Total %	**100**	**20**	**20**	**30**	**30**