

TERM PLANNER
 INFORMATION PROCESSING AND TECHNOLOGY
 TERM 1, 2008

Week	Unit	Work Outline	References
1 2	Computer Systems Architecture	1. Components of a computer system (Von Neumann model) 2. Generations of processors 3. How the CPU works <ul style="list-style-type: none"> • Boolean logic • Logic gates and Truth tables • Binary and decimal 4. Inside the CPU 5. Memory	IPT: A practical approach (Offer/Thompson) Talking Computers (Savage)
3	Operating Systems and Environments	1. Different operating systems 2. OS function and relationship to CPU 3. Programming languages	Talking Computers (Savage)
4	Algorithm Theory and Design	1. Algorithms 2. Software development cycle	Delphi 7
5 6 7 8 9 10	Delphi programming: Introduction and Conditions	1. Object oriented and event-driven programming 2. Setting up a simple program 3. Delphi projects, forms and code 4. Conditions: If... Then... Else... 5. Conditions: Case 6. Data types	Algorithms, Programming and Delphi (Savage) Simple Program Design (Robertson)

TERM PLANNER
 INFORMATION PROCESSING AND TECHNOLOGY
 TERM 2, 2008

Week	Unit	Work Outline	References
1	Completing Writing Task		Articles gathered for writing task Talking Computers (Savage)
2			
3	Delphi programming: Iteration and loops	1. Iterations: For... Do 2. Iterations: While... Do 3. Iterations: Repeat... Until	Delphi 7 Algorithms, Programming and Delphi (Savage)
4			
5			
6	Modelling an IPT assignment (software development cycle)	1. Internal and External Documentation <ul style="list-style-type: none"> • Software Development Cycle • Coding • Evaluation • Journals • Timelines 	Delphi 7 Algorithms, Programming and Delphi (Savage) Simple Program Design (Robertson)
7			
8			
9	BLOCK		
10	EXAMS		
11	Delphi programming: Storage of data	1. Data structures <ul style="list-style-type: none"> • Sets • Arrays • Records • Files of Records 	Delphi 7 Algorithms, Programming and Delphi (Savage)

TERM PLANNER
 INFORMATION PROCESSING AND TECHNOLOGY
 TERM 3, 2008

Week	Unit	Work Outline	References
1	Delphi programming: Storage of data	1. Data structures <ul style="list-style-type: none"> • Sets • Arrays • Records • Files of Records 	Delphi 7 Algorithms, Programming and Delphi (Savage)
2			
3	Work on assignment		Delphi 7 Algorithms, Programming and Delphi (Savage)
4			
5			
6			
7	Exam/Review		
8			
9			
10			

TERM PLANNER
 INFORMATION PROCESSING AND TECHNOLOGY
 TERM 4, 2008

Week	Unit	Work Outline	References
1	Network systems	<ul style="list-style-type: none"> • Network configuration • Network protocols • Packet switching • Network Management • The Internet 	Talking Computers (Savage)
2			
3			
4			
5	Exam/Review		
6			