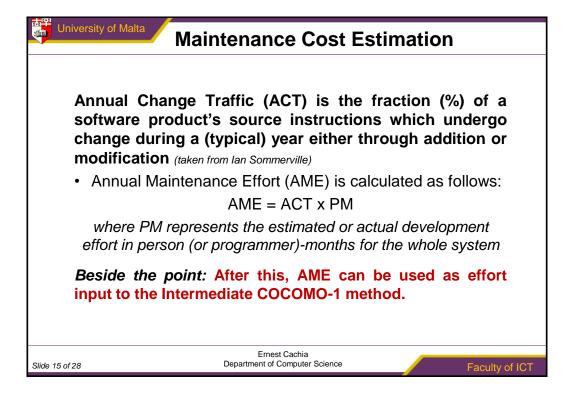
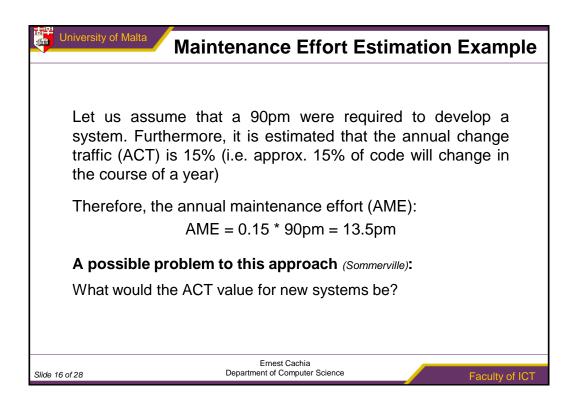
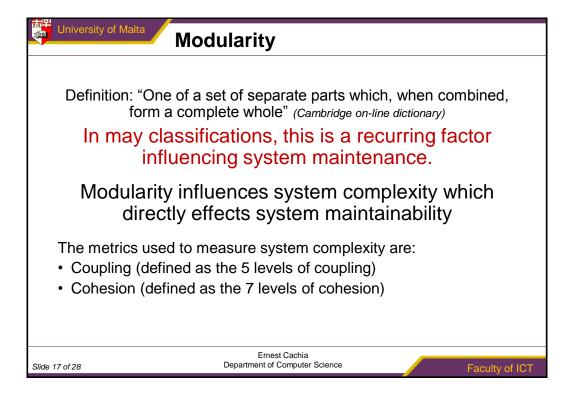
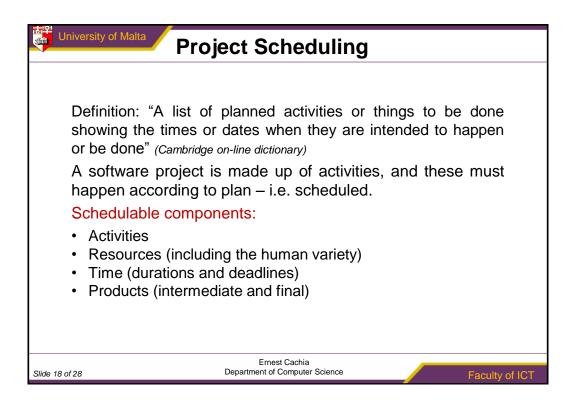


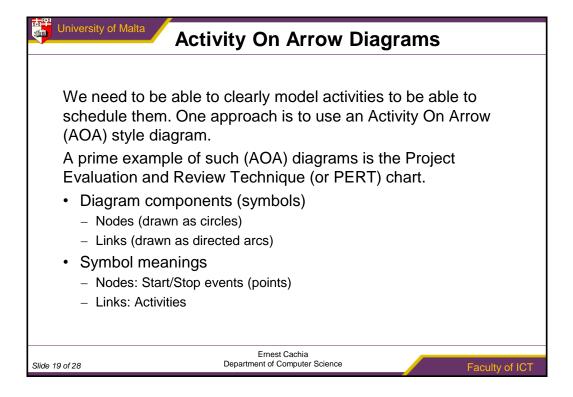
University of M	Maintenance Cost	
 Module Progran Progran Progran Progran Docum 	I factors effecting maintenance cost e independence (maintainability) mming language (understandability) mming style (understandability) m validation and verification (i.e. correction avoid entation (understandability) uration management (i.e. structured evolution)	lance)
 Applica Staff state Programe Externation 	nical factors effecting maintenance cost ation domain familiarity (<i>i.e. clear comprehension</i> ability (<i>i.e. the builders are the maintainers</i>) m age (<i>i.e. structure degradation</i>) al environment (<i>i.e. real-word dependence</i>) are stability (<i>i.e. technology advancement</i>))
Slide 14 of 28	Ernest Cachia Department of Computer Science	Faculty of ICT

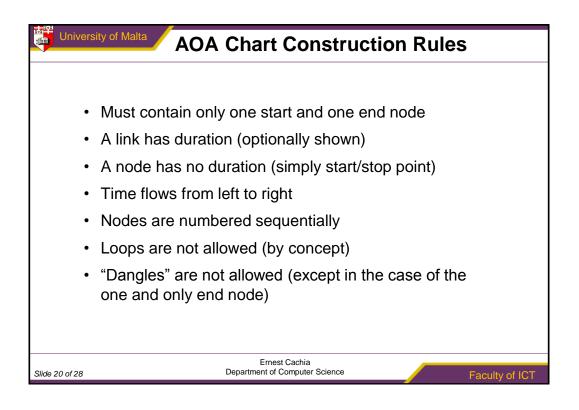


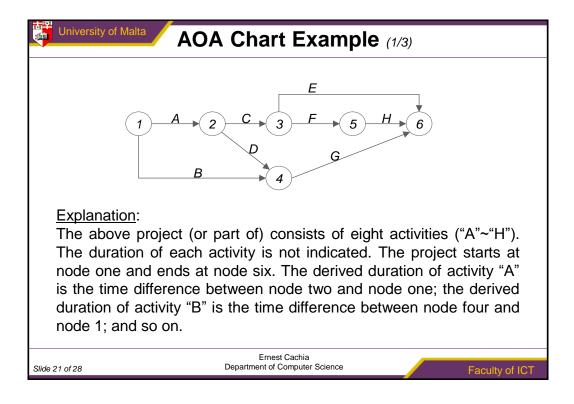


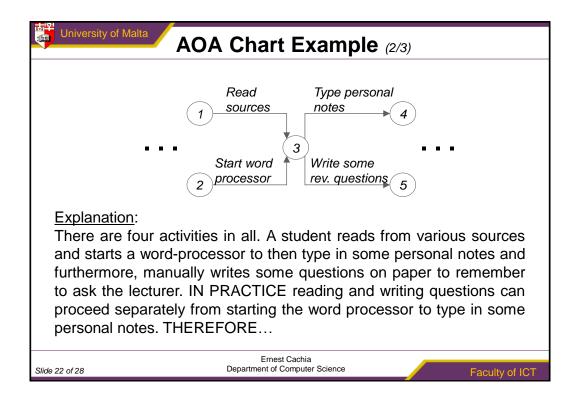


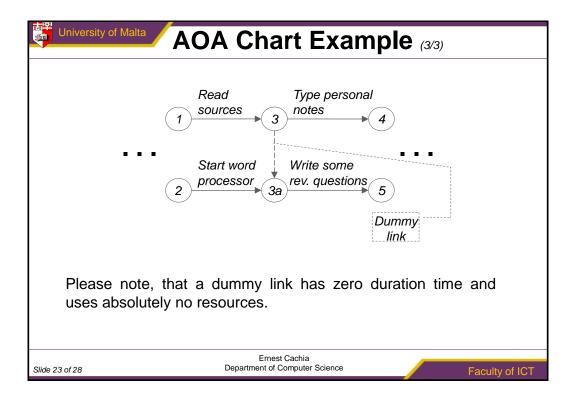


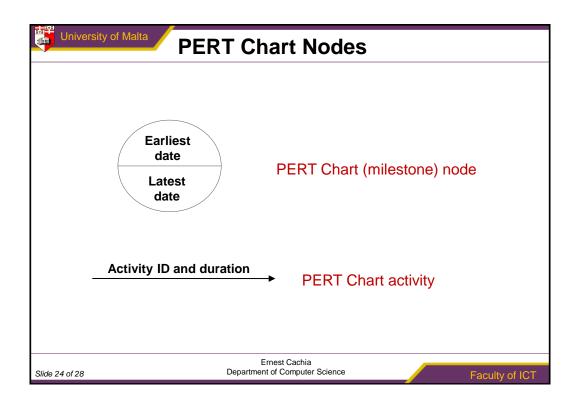




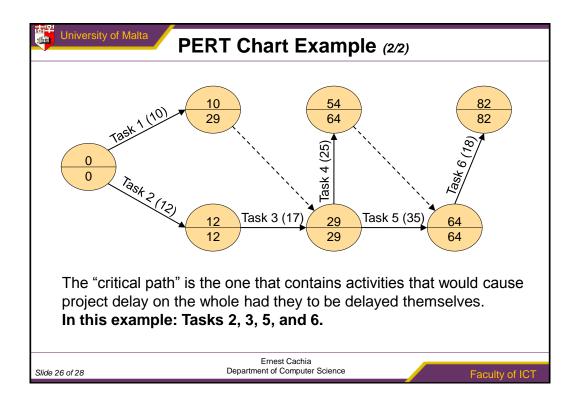


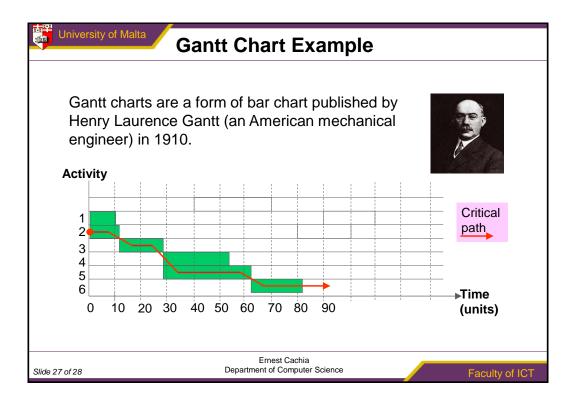


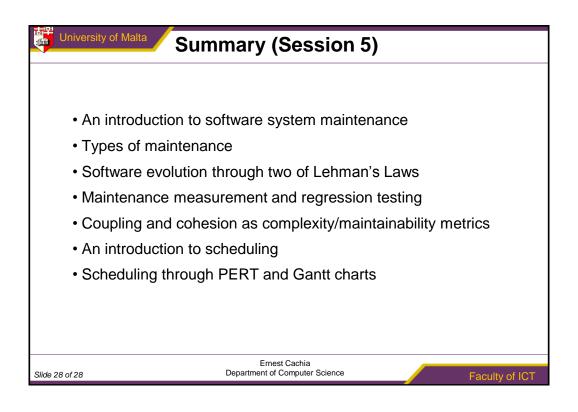




University	Let us take	ERT Chart Exa the table below, re a hypothetical proj	• • •	
	Activity	Duration (units)	Dependencies	
	Task 1	10		
	Task 2	12		
	Task 3	17	Task 2	
	Task 4	25	Tasks 1 & 3	
	Task 5	35	Tasks 1 & 3	
	Task 6	18	Tasks 4 & 5	
		rt model of this seq the next slide.	uence of activities	
Slide 25 of 28		Department of Computer Sc	ience Faculty of IC	т







University of Malta	Barry W. Boehm
T SAW	Dr. Barry Boehm served within the U.S. Department of Defense (DoD) from 1989 to 1992 as director of the DARPA Information Science and Technology Office and as director of the DDR&E Software and Computer Technology Office. He worked at TRW from 1973 to 1989, culminating as chief scientist of the Defense Systems Group, and at the Rand Corporation from 1959 to 1973, culminating as head of the Information Sciences Department. He entered the software field at General Dynamics in 1955. His current research interests involve recasting software engineering into a value-based framework, including processes, methods, and tools for value-based software definition, architecting, development, validation, and evolution. His contributions to the field include the Constructive Cost Model (COCOMO), the Spiral Model of the software process, and the Theory W (win-win) approach to software management and requirements determination. He has received the ACM Distinguished Research Award in Software Engineering and the IEEE Harlan Mills Award, and an honorary ScD in Computer Science from the University of Massachusetts. He is a Fellow of the primary professional societies in computing (ACM), aerospace (AIAA), electronics (IEEE), and systems engineering (INCOSE), and a member of the U.S. National Academy of Engineering.
Back to originating slide	
Slide 29 of 28	Ernest Cachia Department of Computer Science Faculty of ICT