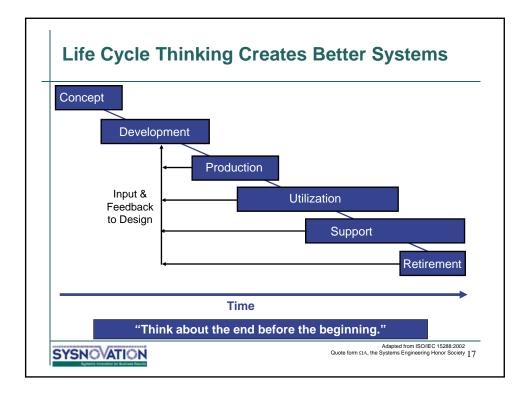
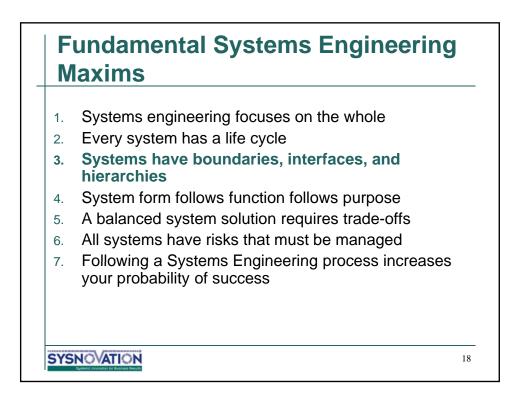


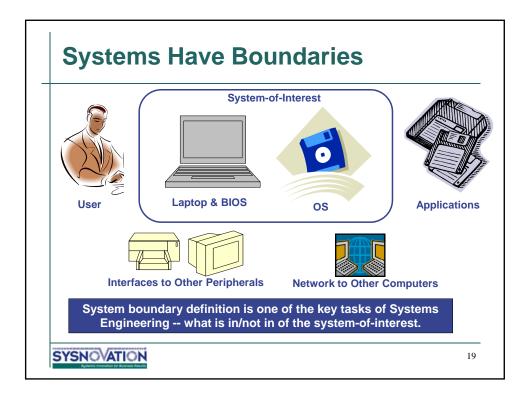
Stage	Purpose	
Concept	Capture the stakeholders' requirements Define alternative concepts	
Development	Refine system requirements Architect the system solution Build the system Verify and validate system	
Production	Produce systems Inspect and test	
Utilization	Operate system to satisfy users' needs	
Support	Provide sustained system capability	
Retirement	Store, archive, or dispose of the system	

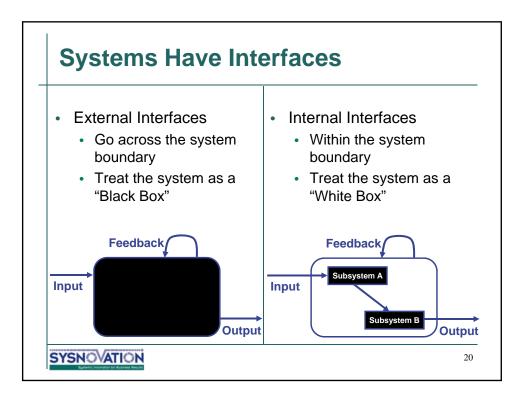




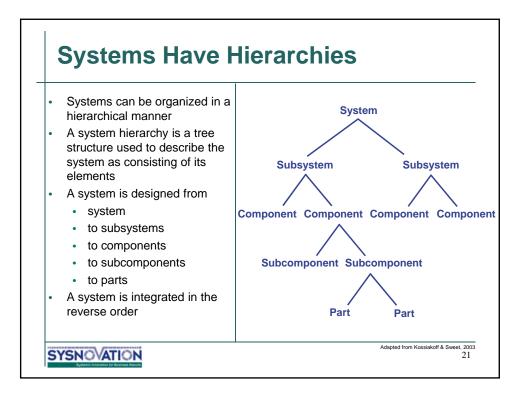


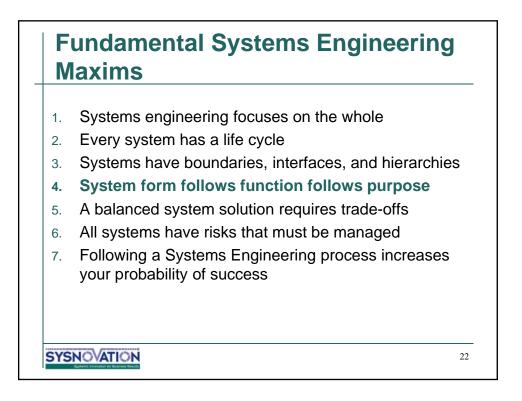




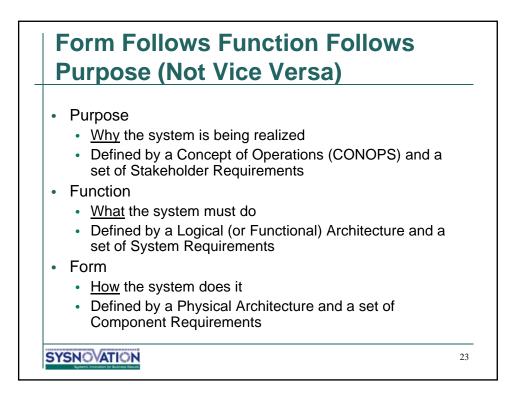












Function	Airplane Physical Component	Bird Physical Component	
Take off & land	Wheels, skis, or pontoons	Legs	
Sense position & velocity	Navigation, air data, radar	Eyes	
Navigate	Computer	Brain	
Produce horizontal thrust	Engine	Wings	
Produce vertical lift	Wings	Wings	



