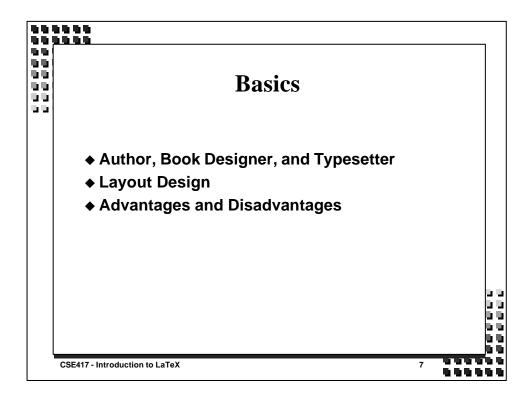
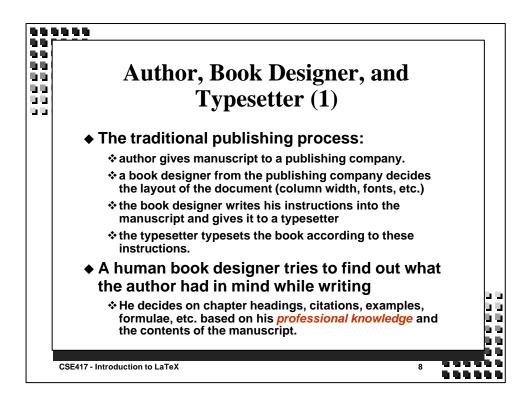
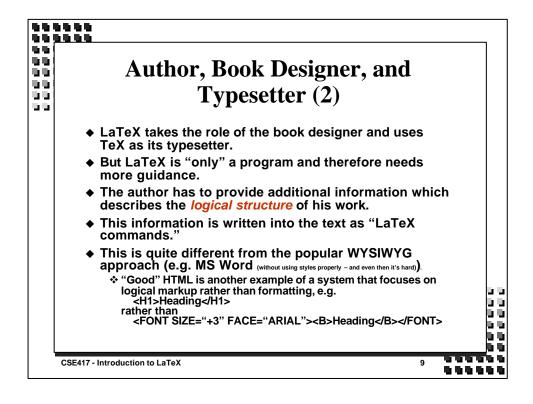


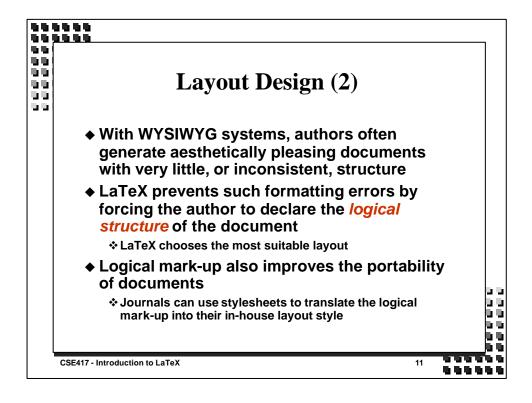
The Name of the Game (2)	
▲ LAT _E X	
 LaTeX is a macro package which enables authors to typeset their work at the highest typographical quality, using a predefined, professional layout. 	
 LaTeX was originally written by Leslie Lamport . It uses the TeX for typesetting. 	
 In 1995 the LaTeX package was updated by the LaTeX3 team. This version is called LaTeX2e. 	5 5 5 5 5 5
This document treats LaTeX2e.	59
CSE417 - Introduction to LaTeX 6	

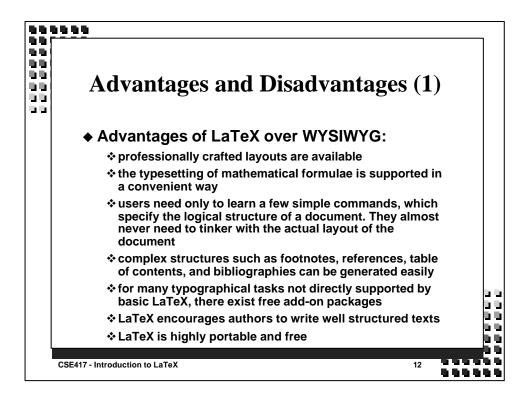


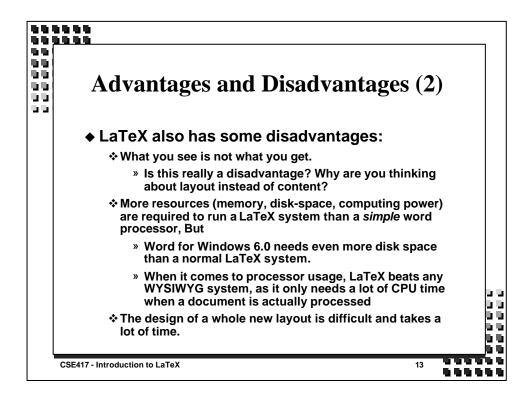


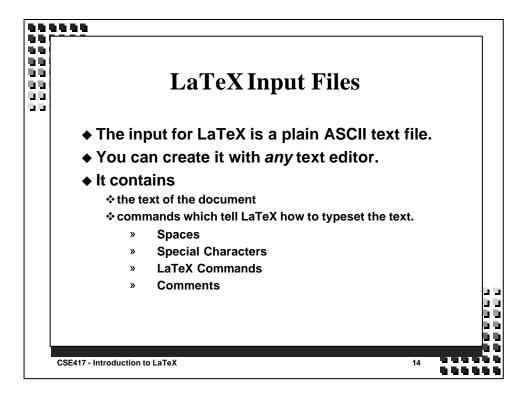


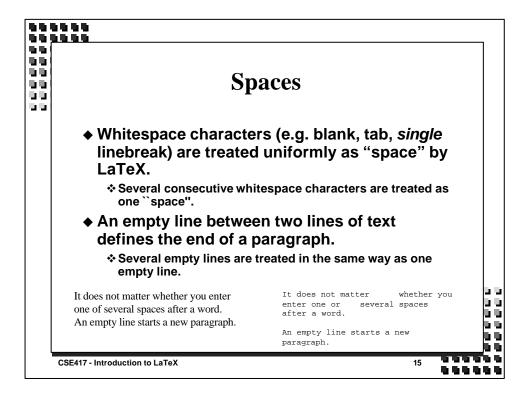
•••		
Layout Design (1)		
Typographical design is a craft:		
Unskilled authors often commit serious formatting errors b assuming that book design is a question of aesthetics	y	
"If a document looks good artistically it is well designed." » This is <i>not</i> true!		
A document has to be read, not hung up in a picture gallery	/	
The readability and understandability of a document are mumore important than its beauty, e.g.		
» The font size and numbering of headings must be choor make the structure of chapters and sections clear to the reader.		o
» The line length must be short enough so as not to stra reader's eyes, but long enough to fill the page beautifu		e
CSE417 - Introduction to LaTeX 10	0	

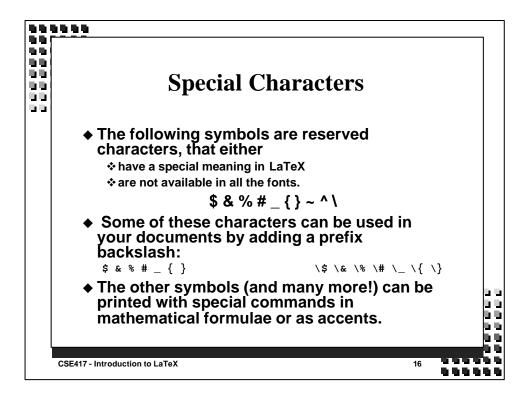


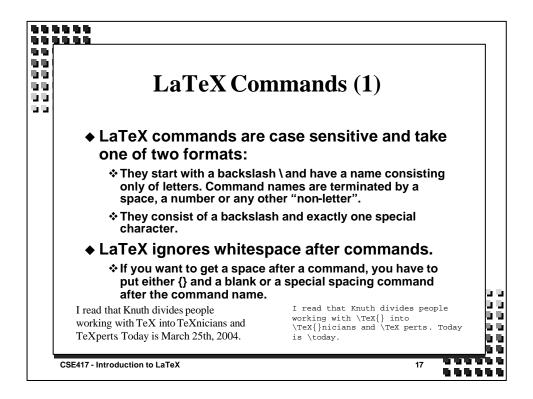




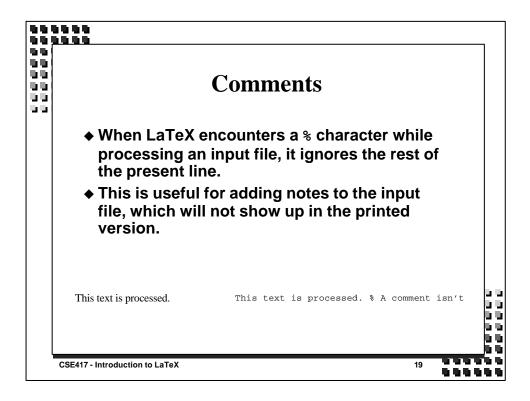


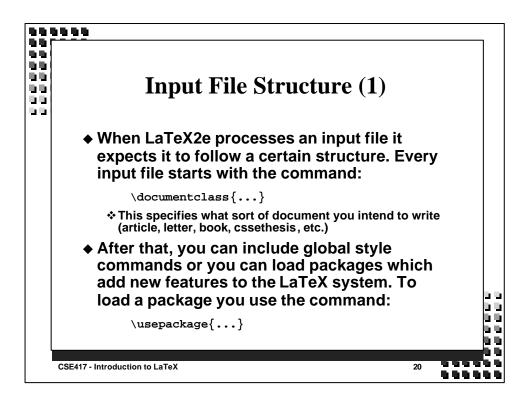


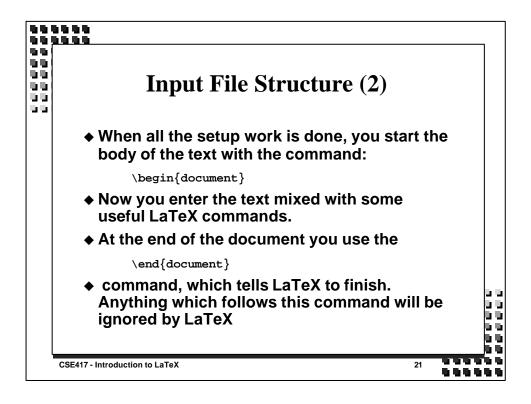


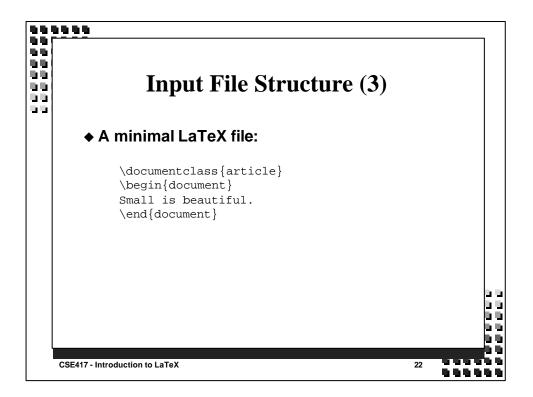


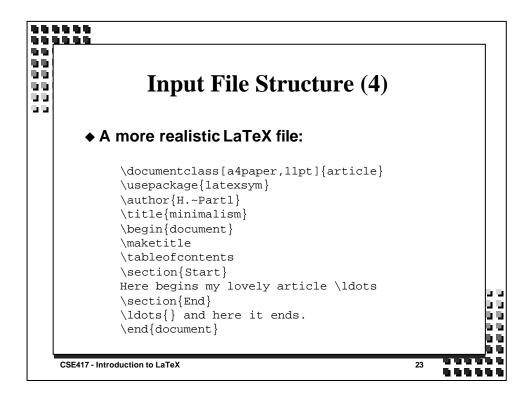
 Some commands tal to be given between command name. Some commands su parameters which ar command name in s 	e added after the quare brackets [].
 The next example us commands. Don't wo be explained later. 	brry about them, they will
This is <i>emphasized</i> text.	This is \emph{emphasized} text.
Please start a new line right here! Thank you!	Please start a new line right here!\linebreak[3] Thank you!
CSE417 - Introduction to LaTeX	

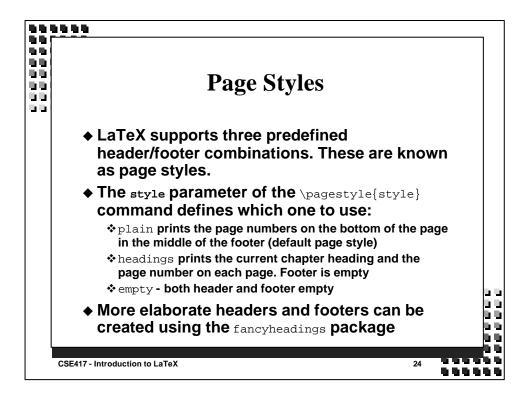




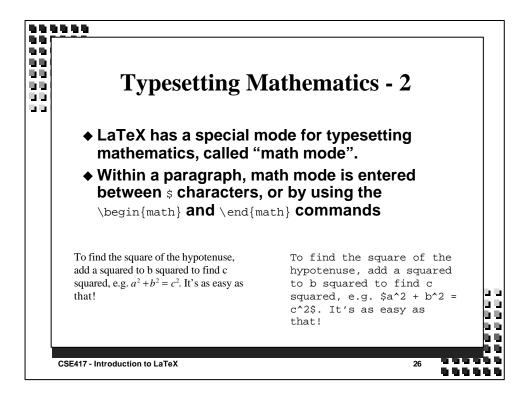


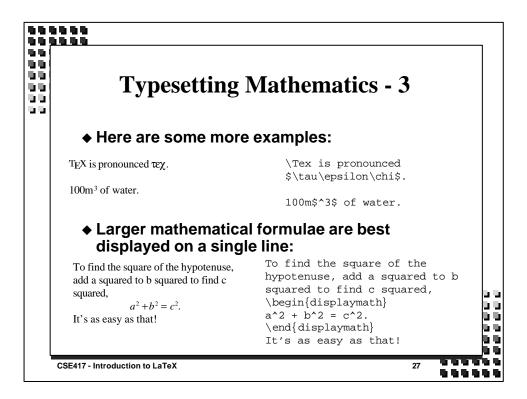


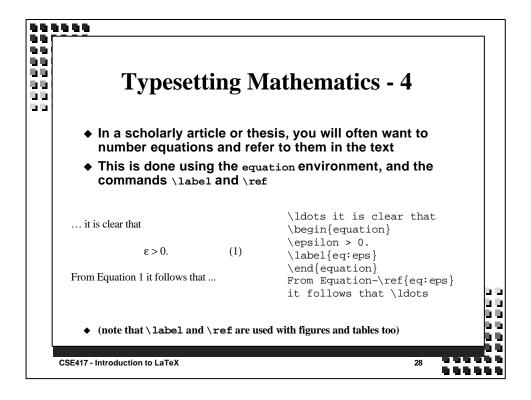


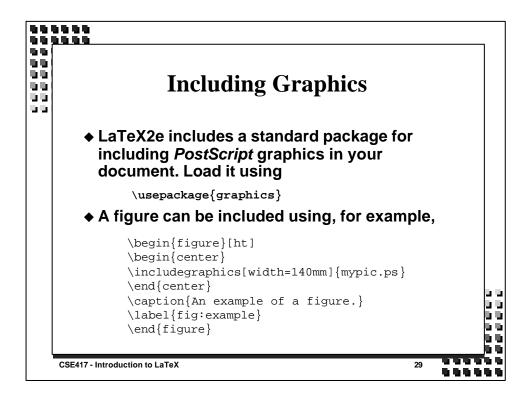


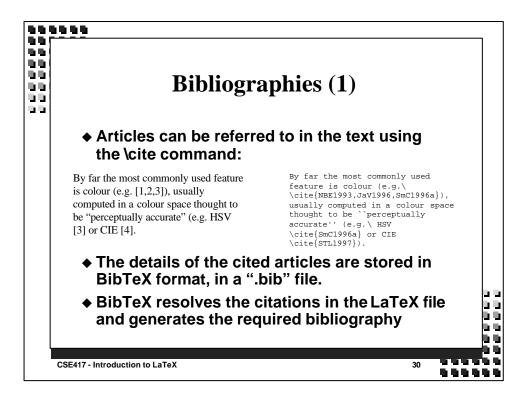
	Typesetting Mathematics - 1			
	 Type setting mathematics beautifully is perhaps the major strength of TeX and LaTeX - and perhaps the main reason for which researchers use them 	(
	 LaTeX can typeset just about any mathematical thing you can imagineand if you can't do it with standard LaTeX then you almost certainly can with the amstex package (ams: American Mathematical Society) 			
	 Here we will just scratch the surface. See reference books or the web for lists and tables of LaTeX maths commands 			
	CSE417 - Introduction to LaTeX 25	*****		

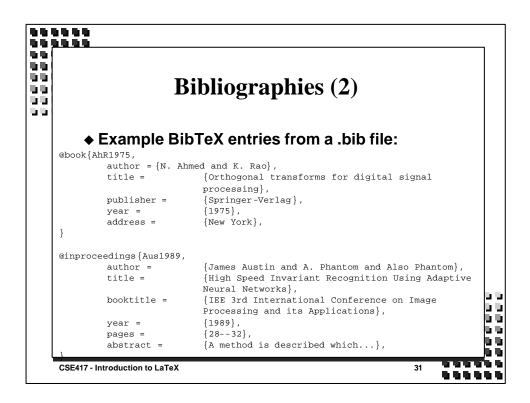


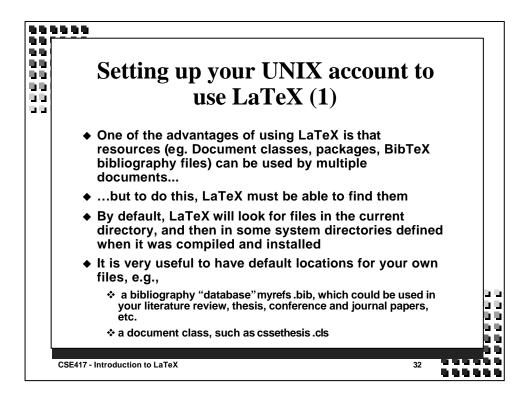


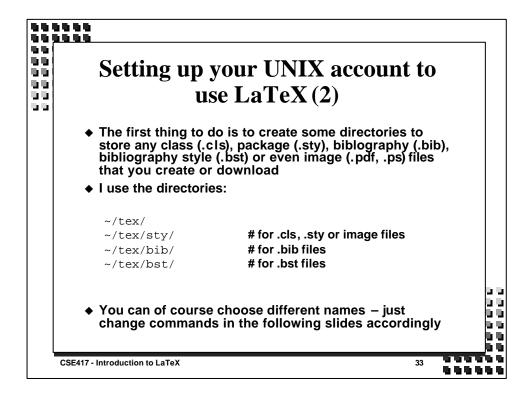


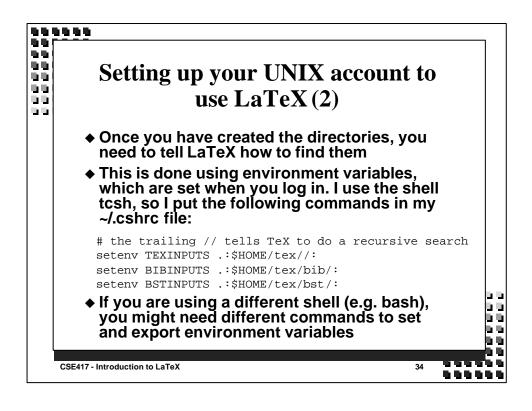


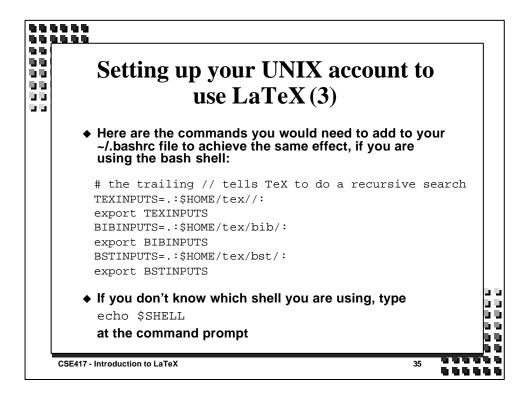


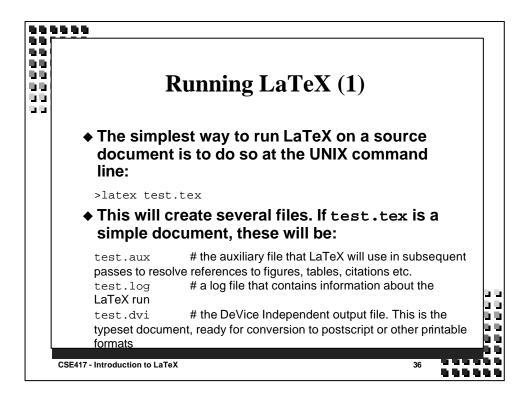


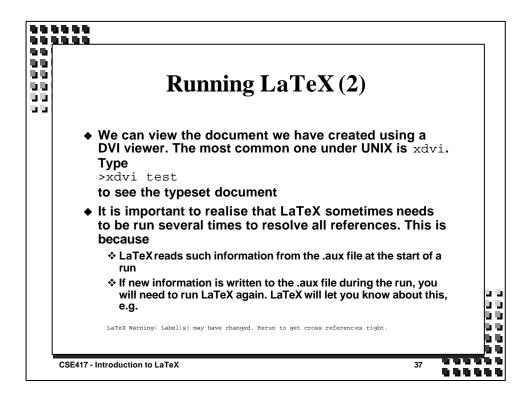












858565 95					
	Running LaTeX (3)				
	 You also need to run LaTeX multiple times when you are using citations and bibtex 				
	 There are other ways of running LaTeX The most common under UNIX is probably from with XEmacs, using the AUCTEX package There are also integrated environments like this under windows (e.g. WinEdt) 				
	 All this stuff is much easier to learn by trying it on a computer, rather than hearing it in a lecture, so 				
	 … now we're going to do a demo To the honours lab! 				
	CSE417 - Introduction to LaTeX 38				

