CHAPTER	Engineering Mechanics: Statics Tenth Edition					
	STRUCTURAL					
	ANALYSIS					
OWRC	•College of Engineering •Department of Mechanical Engineering					
ба	by Dr. Ibrahim A. Assakkaf SPRING 2007 ENES 110 – Statics Department of Mechanical Engineering University of Maryland, Baltimore County					



UM	C Chap	oter 6a. STRUCTURAL A	NALYSIS			Slide No. 2
	F	Reading Q	Juiz			
14	1.	One of the assum the members are A) welding D) smooth pins	ptions used when joined together t B) b E) sr	n analyzing 2y 00lting uper glue	g a simple truss i C) rive	s that eting
ENES110 @Assakkaf_SP07	2.	In the method of equilibrium are a A) two C) four	joints, typically pplied at every j B) t D) s	oint. three six	_ equations of	





Slide No. 4

Applications (cont'd)



Trusses are also used in a variety of structures like cranes and the frames of aircraft or space stations.

How can we design a light weight structure that will meet load, safety, and cost specifications?























