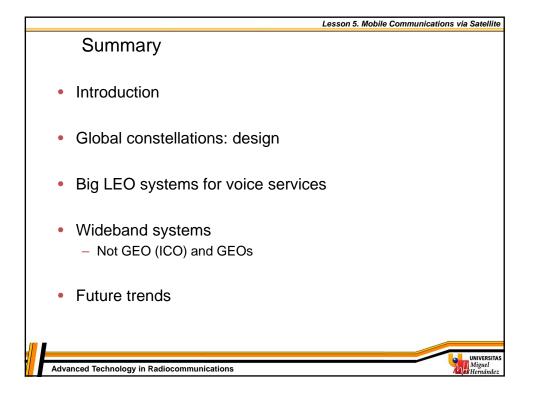
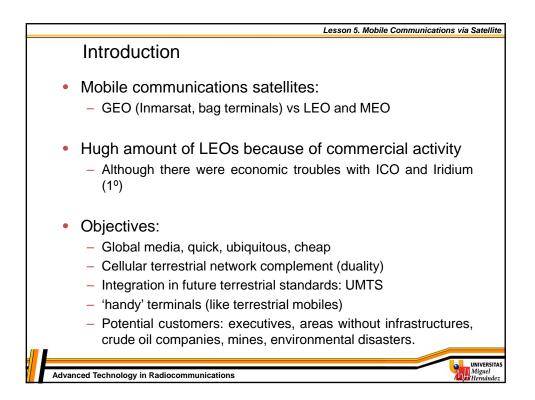
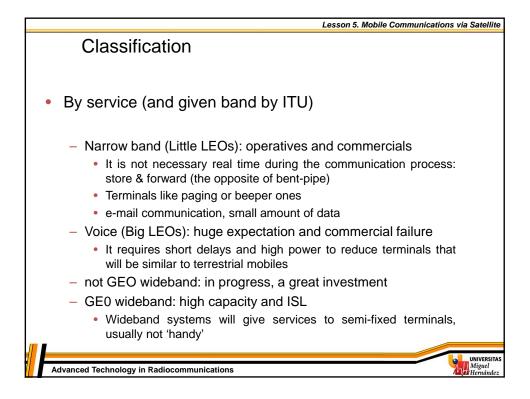


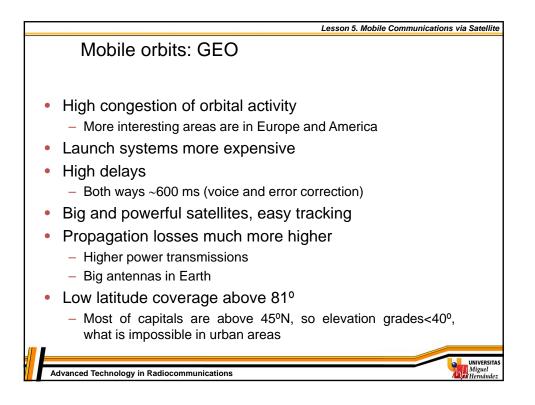
SATELLITE BASED MOBILE COMMUNICATIONS Advanced Technology in Radio Communications

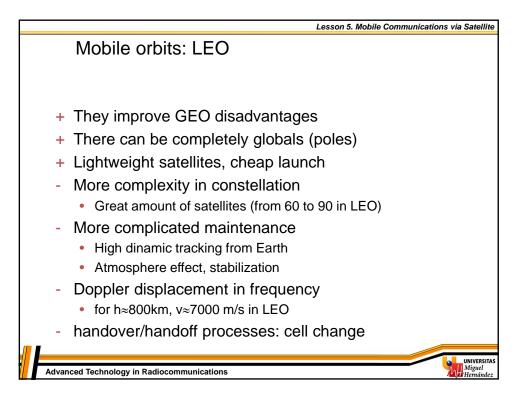
Pablo Corral González Communications Engineering Department Signal Theory and Communications Universidad Miguel Hernández

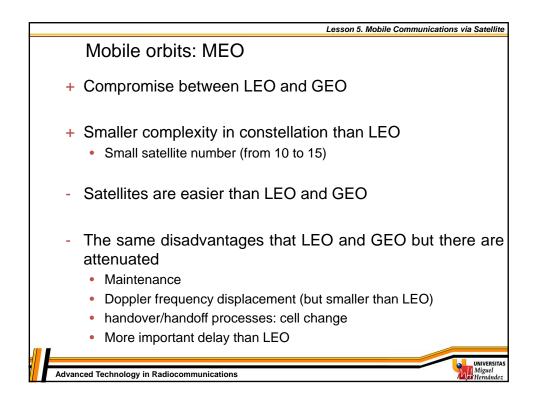












	Lesson 5. Mobile Communications via Satelli				
Constellations					
1,000 Required Number of Satellites Cost per one Satellite (M\$)	item\type of orbit	LEO	MEO	GEO	
100 Launching Cost (MS) 100 Launching Cost (M	Satellite cost	Maximum	Minimum	Maximum	
	Lifetime	3-7	10-15	10-15	
	Handy terminal	Possible	Possible	Very difficult	
	Delay	Low	Medium	High	
	Propagation losses	Low	Medium	High	
	Network	Complex	Medium	Simple	
	Hand-off	Frequent	Medium	Not used	
	Development period	long	Medium	Long	
	visibility	short	Medium	Permanent	
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