COURSE: Telecommunication Systems		
DEGREE: Communication system Engineering	YEAR: 4th	TERM: 1st

La asignatura tiene 25 sesiones que se distribuyen a lo largo de 14 semanas. En cuatro de ellas habrá dos profesores

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WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	Indicate YES/NO If the session needs 2 teachers	WEEKLY PROGRAMMING FOR STUDENT	
			LECTURES	SEMINARS			DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)

1	1	- Introduction to the subject
		- Lesson 1:
		  o Systems
		  o Communications Networks
		  o Regulation
			X				- Review topics from other former subjects:
							
							  - Medium Access
							
							  - Multiplexing
							
							  - Networking
							
							- To assimilate the concepts presented in class
								1,66	

1	2	- Lesson 2:
		  o Queuing Theory
		  o Birth and Dead processes
		  o M/M/1 Model
			X				- To assimilate concepts presented in class
							
							- To solve by themselves Proposed problems
								1,66	3

2	3	- Lesson 2:
		   o M/M/c Model
		   o M/M/c/c Model
		   o Circuit Switching and Packet Switching
			x					To assimilate concepts presented in class
								
								- To solve by themselves Proposed problems
									1,66	5

2	4	• Lesson 2:
		   o Telephony Network
		   o Intelligent Network
			x					To assimilate concepts presented in class
								
								- To solve by themselves Proposed problems
									1,66	

3	5	• Lesson 2:
		   o Packet transmission
		   o Mutiple Access Methods
			x					To assimilate concepts presented in class
								
								- To solve by themselves Proposed problems
									1,66	5

3	6	• Lesson 2: o Proposed problems		x				To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5
4	7	• Lesson 2: o Proposed Problems		x				To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5

4	8	• Lesson 3:
		   o Introduction
		   o SDH
		   o (D)WDM
			x					To assimilate concepts presented in class
								
								- To solve by themselves Proposed problems
									1,66	5

5	9	• Lesson 3:
		   o (D)WDM
		   o xDSL
			x					- To assimilate concepts presented in class
								
								- To solve by themselves Proposed problems
									1,66	5

5	10	• Lesson 3: o Proposed Problems		x				- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	
6	11	• Lesson 3: o Proposed Problems		x				- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5
6	12	INTERMEDIATE EXAM	x					- To analyze the problems found during the intermediate exam	1,66	

7	13	• Lesson 4:
		   o Propagation review
		   o Okumura-Hata Model
		   o PMR and PMT Systems
			x					- To assimilate concepts presented in class
								
								- To solve by themselves Proposed problems
									1,66	5

7	14	Lesson 4: o Trunking o TETRA o Cellular systems	X					- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	
8	15	Lesson 4 o GSM System	X					To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5
8	16	Lesson 4: o GPRS o EDGE o UMTS o HSDPA	X					- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	
9	17	Lesson 4: o Proposed problems		X				To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5
9	18	Lesson 4: o Proposed problems		X				- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	
10	19	Lesson 5: o Introduction o History o General concepts and orbits	X					- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5
10	20	Lesson 5: o Fix Service o VSAT networks	X					- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	
11	21	Lesson 5: o Satellite Mobile Communications	X					- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	5
11	22	Lesson 5: o Positioning Systems	X					- To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66	
12	23	Lesson 5: o Proposed problems		X				- To assimilate concepts presented in class	1,66	5

								- To solve by themselves Proposed problems	
12	24	- Lesson 5: o Proposed problems			x			To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66
13	25	INTERMEDIATE EXAM	x					- To analyze the problems found during the intermediate exam	1,66 / 5

13	26	• Lesson 6:
		
		  o Boradcasting Digital System
		  o MPEG Standard
			x					- To assimilate concepts presented in class	1,66

14	27	• Lesson 6:
		
		  o DVB Standard
		  o Interactivity
			x					To assimilate concepts presented in class	1,66 / 5

14	28	Extra problems session			x			To assimilate concepts presented in class - To solve by themselves Proposed problems	1,66
	29	Resolution of the previous final exam			x			To assimilate concepts presented in class - To solve by themselves Proposed problems - Final review	1,66 / 5
Subtotal 1								**48,14**	**73**
Total 1 *(Hours of class plus student homework hours between weeks 1-14)*									121,14

15		Tutorials, handing in, etc							
16		Assessment						Studying the subject for the final exam	3 / 50
17									
18									
Subtotal 2								**3**	
Total 2 *(Hours of class plus student homework hours between weeks 15-18)*									174,14

TOTAL *(Total 1 + Total 2)*	**150**