



<b>COURSE: PHOTONIC SUBSYSTEMS</b>		
<b>MASTER: ELECTRONIC SYSTEMS ENGINEERING AND APPLICATIONS</b>	<b>YEAR: 2020-21</b>	<b>TERM: 1st</b>

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	GROUPS (mark X)		Special room for session (computer classroom, audio-visual classroom...)	WEEKLY PROGRAMMING FOR STUDENT		
			LECTURES	SEMINARS/ LAB <sup>1</sup>		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (Max. 7h week)
1	1	(11 noviembre) Introduction: Optical fiber technologies, advantages and disadvantages	X			Previous reading. Answering questions about background.	1,5	
1	2	(16 noviembre 16:00 a 17:30) Introduction: Optical link (power budget and time balance)	x			Exercises	1,5	4
2	3	(18 noviembre) Introduction: Optical link exercises and Photonics subsystems evolution	x			Concepts analysis	1,5	5
2	4	(23 noviembre) Simulation and measuring techniques in photonics subsystems		x	computer	MATLAB Report	1,5	
3	5	(25 noviembre) Introduction: Photonics subsystems evolution	x			Review reading and exercise portfolio	1,5	
4	6	(30 noviembre) Multiplexing subsystems: Technologies	x			Review reading and exercise portfolio	1,5	5
4	7	(2 diciembre ) Multiplexing subsystems: Application to WDM networks	x			Concepts analysis	1,5	2

3	8	(9 diciembre recuperar 7 diciembre*) Optical amplification subsystems: Technologies	x			Concepts analysis. Manual reading	1,5	3
5	9	(14 diciembre) Simulation and measuring techniques in photonics subsystems		x	LAB**		1,5	5
5	10	(16 diciembre recuperar 7 diciembre *) Simulation and measuring techniques in photonics subsystems		x	LAB	Report 10-11 ó 17-18 dic Seminario VPI	1,5	
6	11	(21 diciembre) Simulation and measuring techniques in photonics subsystems		x	VPI	Report	1,5	5
6	12	(11 enero) Optical switching technologies (OADM, OXC)/Presentaciones I	x			Review reading and exercise portfolio	1,5	
7	13	(13 enero) <b>Presentaciones II</b> Optical switching: application and Optical amplification: long haul. Exercises review if necessary Entrega de trabajos y recuperaciones presentaciones	x			Review reading and exercise portfolio	1,5	5
7	14	<b>Sesión recuperada 9 ó 16 diciembre que desplaza temas</b>	x			Review reading and exercise portfolio	1,5	
8	15							

**Subtotal 1**

**21**

**34**

**Total 1** (Hours of class plus student homework hours between weeks 1-7)

**55**

1-7		Tutorials, handing in, etc						10
8		Assessment				Hands in: portfolio with exercises and reports Final exam:22 january	3	7

**Subtotal 2**

**3**

**17**

**Total 2** (Hours of class plus student homework hours at week 8)

**20**

<b>TOTAL</b> (Total 1 + Total 2)							<b>75</b>
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\* Seleccionar una opción según disponibilidad \*\*según número de estudiantes seleccionar o pasar a simulación