



<b>COURSE: OPTICAL COMMUNICATIONS SYSTEMS (3 ECTS)</b>		
<b>MASTER: Master in Photonics Engineering</b>	<b>YEAR: 2018-2019</b>	<b>TERM: 2<sup>nd</sup></b>

WEEKLY PLANNING							
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
1	<b>Introduction of the subject</b> Reminder of the basics of the optical networks and systems. Overview of the course	X			Introduction to the subject.	1,5	4
2	<b>IM/DD Optical Communication Systems</b>	X			Previous reading and revision of class materials.	1,5	
3	<b>WDM Optical Communication Systems</b>	X			Previous reading and revision of class materials.	1,5	10
4	<b>Exercises</b>		X		Resolutions of problems	1,5	
5	<b>Access Networks</b>	X			Previous reading and revision of class materials.	1,5	
6	<b>Access Networks. Lab 1</b>		X		Laboratory session.	1,5	20

7	Access Networks. Lab 2		X		La session	1,5		
8	Access Networks. Lab 3		X		Lab session	1,5		
9	Coherent Optical Communications Systems	x			Previous reading and revision of class materials.	1,5		
10	Coherent Optical Communications Systems	x			Previous reading and revision of class materials.	1,5		
11	Advanced Optical Communication Systems	x			Previous reading and revision of class materials.	1,5		
12	Exercises		X		Solving exercises about previous contents	1,5		
13	Simulation of Optical Access Networks		X		Lab session	1,5		
14	Simulation of Optical Access Networks		X		lab session	1,5		
<sup>1</sup> A maximum of 1-2 lab sessions						<b>Subtotal 1</b>	<b>21</b>	<b>34</b>
<b>Total 1 (Hours of class plus student homework hours between weeks 1-7)</b>						<b>55</b>		
	Tutorials, handing in, etc				Solving any remaining question	10		
15	Assessment				Studying the documentation for the final assessment.	3	7	
<b>Subtotal 2</b>						<b>3</b>	<b>17</b>	
<b>Total 2 (Hours of class plus student homework hours at week 8)</b>						<b>20</b>		
<b>TOTAL (Total 1 + Total 2)</b>						<b>75</b>		