



MASTER IN PHOTONICS
and
MASTER EUROPHOTONICS

TIMETABLE for ACADEMIC YEAR 2015/2016

GENERAL ASPECTS

MSc in PHOTONICS & EUROPHOTONICS (2015/2016)

STARTING DATE: MSc. in Photonics: **September 14th 2015**
(Registration must be performed before September 8th)
MSc. Europhotonics: **October 13th 2015**
(Registration must be performed before October 6th)

TEACHING BLOCKS and HOLIDAYS:

Lectures (common for both Masters) are grouped into **4 teaching blocks:**

Block 1: September 14th - December 6th 2015 (for the MSc. in Photonics)
October 13th - December 6th 2015 (for the MSc. Europhotonics)

Compulsory courses start on September 15th (10 teaching weeks)

Elective courses start on October 13th (6 teaching weeks)

non-working days:

September 24th & 25th
October 12th
November 13th

Block 2: December 7th 2015- February 21th 2016 (for both Masters).

Christmas holidays: December 24st - January 7th

non-working days:

December 7, 8th
January 6, 7th

Block 3: February 22th to April 24th 2016 (for both Master).

Easter holidays: March 21st - 28th 2016

Block 4 (MSc Thesis): April 25th to September 9th 2016 (for both Master).

Summer holidays may be taken in August (if the MSc work is advanced enough).

non-working days:

May 1st
June 24th

GENERAL ASPECTS

MSc in PHOTONICS & EUROPHOTONICS (2015/2016)

SEPTEMBER 2015						
Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER 2015						
Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER 2015						
Mo	Tu	We	Th	Fr	Sa	Su
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER 2015						
Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY 2016						
Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY 2016						
Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

MARCH 2016						
Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL 2016						
Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MAY 2016						
Mo	Tu	We	Th	Fr	Sa	Su
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JUNE 2016						
Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

JULY 2016						
Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST 2016						
Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

TEACHING WEEK
EXAMS WEEK
ACTIVITIES WEEK
MSc THESIS
NON-WORKING DAYS

SEPTEMBER 2016						
Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Compulsory courses (orange): from 14/09 to 22/11 2015 (10 teaching weeks)

First 3 weeks (14/09 – 4/10): compulsory courses

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:00-12:00			SEMINARS		
12:00-13:00			AULA - c3b/-102		
13:00-14:00					
14:00-15:00	INTRODUCTION TO PHOTONICS	SEMINARS AND SKILLS	INTRODUCTION TO PHOTONICS	INTRODUCTION TO PHOTONICS	
15:00-16:00	AULA -	AULA - (* the session on 29/09 will be from 14 to 18h)	AULA -	AULA -	
16:00-17:00	BEAM PROPAGATION AND FOURIER OPTICS		BEAM PROPAGATION AND FOURIER OPTICS	BEAM PROPAGATION AND FOURIER OPTICS	
17:00-18:00	AULA -		AULA -	AULA -	
18:00-19:00					

4th week (5/10 – 11/10): compulsory courses

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:00-12:00			SEMINARS		
12:00-13:00			AULA -		
13:00-14:00					
14:00-15:00	INTRODUCTION TO PHOTONICS		INTRODUCTION TO PHOTONICS		
15:00-16:00	AULA -		AULA -		
16:00-17:00	BEAM PROPAGATION AND FOURIER OPTICS	LABORATORY 1 st SESSION	BEAM PROPAGATION AND FOURIER OPTICS		LABORATORY 1 st SESSION
17:00-18:00	AULA -	[at several campus]	AULA -		[at several campus]
18:00-19:00					

Compulsory courses (orange): from 14/09 to 22/11 2015 (10 teaching weeks)

Elective courses (green): from 13/10 to 22/11 2015 (6 teaching weeks)

Last 6 weeks (13/10 – 22/11): both compulsory and elective courses

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:00-12:00			SEMINARS AULA -		
12:00-13:00					
13:00-14:00					
14:00-15:00	INTRODUCTION TO PHOTONICS AULA -	QUANTUM OPTICS AULA -	INTRODUCTION TO PHOTONICS AULA -	PHOTONICS MATERIALS AND METAMATERIALS AULA -	QUANTUM OPTICS AULA -
15:00-16:00					
16:00-17:00	BEAM PROPAGATION AND FOURIER OPTICS AULA -	MEASURING WITH LIGHT (optical metrology) AULA -	BEAM PROPAGATION AND FOURIER OPTICS AULA -	MEASURING WITH LIGHT (optical metrology) AULA -	PHOTONICS MATERIALS AND METAMATERIALS AULA -
17:00-18:00					
18:00-19:00	OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY AULA -	BUILDING OPTOMECH. SYSTEMS AULA -	OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY AULA -	BUILDING OPTOMECH. SYSTEMS AULA -	
19:00-20:00					

BLOCK 1 (Campus: Universitat de Barcelona)

14/09 to 4/12, 2015

EXAMS: 23 to 27/11/2015

	MONDAY(23/11)	TUESDAY(24/11)	WEDNESDAY(25/11)	THURSDAY(26/11)	FRIDAY(27/11)
14:00-15:00	INTRODUCTION TO PHOTONICS AULA	QUANTUM OPTICS AULA	BEAM PROPAGATION AND FOURIER OPTICS AULA	PHOTONICS MATERIALS AND METAMATERIALS AULA	OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY AULA
15:00-16:00					
16:00-17:00					
17:00-18:00		BUILDING OPTOMECH. SYSTEMS AULA -		MEASURING WITH LIGHT AULA	
18:00-19:00					
19:00-20:00					

ACTIVITIES WEEK: 30/11 to 4/12/2015

	MONDAY(30/11)	TUESDAY(1/12)	WEDNESDAY(2/12)	THURSDAY(3/12)	FRIDAY(4/12)
14:00-15:00	LABORATORY 2 nd SESSION <i>[at several campus]</i>	QUANTUM OPTICS & INTROD. PHOTONICS	BEAM PROPAGATION AND FOURIER OPTICS & OPTOELECTRONICS & PHOTOVOLTAIC DEVICES	PHOTONICS MATERIALS AND METAMATERIALS & OPTICAL IMAGING IN BIOLOGY AND MEDICINE	LABORATORY 2 nd SESSION <i>[at several campus]</i>
15:00-16:00					
16:00-17:00					
17:00-18:00					
18:00-19:00					
19:00-20:00					

(Time table for these activities should be coordinated)

6 TEACHING WEEKS (7/12/2015 to 7/02/2016)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00					
11:00-12:00			SEMINARS AULA:		
12:00-13:00					
13:00-14:00					
14:00-15:00	VISUAL BIOPHOT & MULTISPECTRAL IMAGING (*) AULA: ADV. QUANTUM OPTICS WITH APPLICATIONS(*) AULA:	NONLINEAR OPTICS AULA:	VISUAL BIOPHOT & MULTISPECTRAL IMAGING (*) AULA: ADV. QUANTUM OPTICS WITH APPLICATIONS(*) AULA:	NONLINEAR OPTICS AULA:	INTEGRATED PHOTONICS AULA:
15:00-16:00					
16:00-17:00	BUSINESS & PATENTS IN PHOTONICS (to be continued in BLOCK 3) AULA:	LASER SYSTEMS & APPLICATIONS AULA:	INT. PHOTONICS (*) AULA: OPT. MICROMAN. WORKSHOP AULA:526 UB-PHYSICS	LASER SYSTEMS & APPLICATIONS AULA:	BUSINESS & PATENTS IN PHOTONICS (to be continued in BLOCK 3) AULA:
17:00-18:00					
18:00-19:00	FIBERS & TELECOM AULA:	QUANTUM SIMULATORS AULA:	FIBERS & (*) TELECOM AULA: OPT. MICROMAN. WORKSHOP (*) AULA:526 UB-PHYSICS	QUANTUM SIMULATORS AULA:	
19:00-20:00					

() These pairs of curses overlap in time. They can not be chosen simultaneously.*

BLOCK 2 (Campus Nord: UPC)

7/12/2015 to 21/02/2016

EXAMS: 8 to 12/02/2016

	MONDAY(8/02)	TUESDAY(9/02)	WEDNESDAY(10/02)	THURSDAY(11/02)	FRIDAY(12/02)
14:00-15:00	ADV. QUANTUM OPTICS WITH APPLICATIONS AULA: A5205	NONLINEAR OPTICS AULA: A5205	INT. PHOTONICS AULA: A5205	VISUAL BIOPHOT & MULTISPECTRAL IMAGING AULA:A5205	ADV. QUANTUM OPTICS WITH APPLICATIONS AULA: A5205
15:00-16:00					
16:00-17:00					
17:00-18:00	FIBERS & TELECOM AULA:A5205	LASER SYSTEMS & APPLICATIONS AULA: A5205	OPT. MICROMAN. WORKSHOP AULA:526 UB-PHYSICS	QUANTUM SIMULATORS AULA:A5205	FIBERS & TELECOM AULA:A5205
18:00-19:00					
19:00-20:00					

ACTIVITIES WEEK: 15 to 19/02/2016

	MONDAY(15/02)	TUESDAY(16/02)	WEDNESDAY(17/02)	THURSDAY(18/02)	FRIDAY(19/02)		
14:00-15:00		NONLINEAR OPTICS & LASER SYSTEMS & APPL & PHOT. & BUISNESS	EXP. QUANTUM OPTICS & INTEGRATED PHOT. & FIBERS AND TELECOM	VISUAL BIOPHOT. & QUANTUM SIMULATORS			
15:00-16:00	LABORATORY 3 st SESSION <i>[at several campus]</i>						LABORATORY 3 st SESSION <i>[at several campus]</i>
16:00-17:00							
17:00-18:00							
18:00-19:00							
19:00-20:00							

(Time table for activities schaduled in the same day should be coordinated)

BLOCK 3 (Campus Nord of UPC)

22/02 to 24/04/2016

6 TEACHING WEEKS (22/02 to 10/04/2016)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:00-12:00			SEMINARS AULA:		
12:00 -13:00					
13:00-14:00					
14:00-15:00	MANAGING LIGHT WITH DEVICES	ULTRAFAST & ULTRAINTENSE LASER LIGHT	EXPERIMENTAL OPTICAL TECHNIQUES IN BIOLOGY AULA: ICFO-laboratory	ULTRAFAST & ULTRAINTENSE LASER LIGHT	MANAGING LIGHT WITH DEVICES-
15:00-16:00	AULA:	AULA:		AULA:	AULA:
16:00-17:00	BUSINESS AND PATENTS IN PHOTONICS This course ends on 14/03	IMAGE PROC. IN BIOPHOT (*) AULA:	AULA: ICFO-laboratory	QUANTUM INFORMATION THEORY AULA:	BUSINESS AND PATENTS IN PHOTONICS This course ends on 14/03
17:00-18:00		AULA:			
18:00-19:00	NANOPHOTONICS	QUANTUM INFORMATION THEORY	AULA: ICFO-laboratory	IMAGE PROC. IN BIOPHOT (*) AULA	NANOPHOTONICS
19:00-20:00				AULA:	

(*) These pairs of curses overlap in time. They can not be chosen simultaneously.

BLOCK 3 (Campus Nord of UPC)

22/02 to 24/04/2016

EXAMS: 11/04 to 15/04/2016

	MONDAY(11/04)	TUESDAY(12/04)	WEDNESDAY(13/04)	THURSDAY(14/04)	FRIDAY(15/04)
14:00-15:00	EXPERIMENTAL OPTICAL TECHNIQUES IN BIOLOGY AULA:	ULTRAFAST & ULTRAIINTENSE LASER LIGHT AULA:	MANAGING LIGHT WITH DEVICES AULA:	IMAGE PROC. IN BIOPHOT AULA:	BUSINESS AND PATENTS IN PHOTONICS AULA:
15:00-16:00					
16:00-17:00					
17:00-18:00		PHOTONICS SYST. IN TELECOM AULA:	NANOPHOTONICS AULA:	QUANTUM INF. THEORY AULA:	
18:00-19:00					
19:00-20:00					

ACTIVITIES WEEK (18/04 to 22/04/2015)

	MONDAY(18/04)	TUESDAY(19/04)	WEDNESDAY(20/04)	THURSDAY(21/04)	FRIDAY(22/04)
14:00-15:00	LABORATORY 4 st SESSION <i>[at several campus]</i>	MANAGING LIGHT WITH DEVICES & NANOPHOTONICS & PHOT. & BUISNESS	ULTRAFAST & ULTRAIINT. LASER LIGHT & IMAGE PROCECESING & PHOTONICS SYST. IN TELECOM	QUANTUM INFORMATION & MEASURING WITH LIGHT	LABORATORY 4 st SESSION <i>[at several campus]</i>
15:00-16:00					
16:00-17:00					
17:00-18:00					
18:00-19:00					
19:00-20:00					

(Time table for activities schaduled in the same day should be coordinated)

- **Spring school: about Photonics Engeneering, Nanophotonics and Biophotonics**

Organized by the Europhotonics MSc. and Doctorate Programs (students of the Master in Photonics are also invited).
(date and place to be announced)

- **Master Thesis Project**

BLOCK 4 is devoted mainly to the Master Thesis work

Final oral defense sessions will be organized in **July & September (before 10th September)**

GENERAL ASPECTS

<u>LABORATORY:</u>	• SESSION 1:	October 6 th & 9 th , 2015
	• SESSION 2:	November 30 th & 4 th December, 2015
	• SESSION 3:	February 15 th & 19 th , 2016
	• SESSION 4:	April 18 th & 22 th , 2016
	• Recovery:	April 25 th & 29 th , 2016

SEMINARS:

During the first 3 teaching blocks, a slot of **2 hours/week** (on Wednesday from 11 to 13h) are reserved for **seminars** given by internationally well-known invited professors and researchers as well as specialists in different fields of applied photonics coming from companies. These seminars will be announced few weeks in advance and there will be held in Campus Nord, always when possible. They are part of the Master program and the assistance is compulsory.

EXAMS AND EVALUATION PRECEDURE:

Professors of each course decide the evaluation procedure, as pointed out in the Course Contents.

The evaluation acts (exams, presentations,...) will be done within the scheduled "Exam week" at the end of each teaching block. Nevertheless, exceptionally, some evaluation act could be performed outside those scheduled times if professor and students agree on that.

OTHER POSSIBLE CIRCUMSTANCES

If, exceptionally, some unexpected circumstance appears, which obliges to cancel some lecture session, or some special activity is planned, it could be performed outside the scheduled, if professor and students agree.