UNIVERSITAT POLITÈCNICA DE CATALUNYA

UAB Universitat Autònoma de Barcelona

UNIVERSITAT DE BARCELONA

ICFO Institut de Ciències Fotòniques

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 9th 2015- February 21th 2016** (for both Masters).

Christmas holidays: *December 24st - January 7th*

non-working days:
December 7, 8th
January 6th
February 12th

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				

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		

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

BLOCK 1 (Campus: Universitat de Barcelona) Faculty of *Physics* -New Bulding- Ground 0-Room 7 14/09 to 4/12, 2015

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** AULA - N07P		
12:00-13:00					
13:00-14:00					
14:00-15:00	**BEAM PROPAGATION AND FOURIER OPTICS** AULA - N07P	**SEMINARS AND SKILLS** AULA –N07P **(*) the session on 29/09 will be from 14 to 18h)**	**INTRODUCTION TO PHOTONICS** AULA -N07P	**INTRODUCTION TO PHOTONICS** AULA -N07P	
15:00-16:00					
16:00-17:00	**INTRODUCTION TO PHOTONICS** AULA - N07P		**BEAM PROPAGATION AND FOURIER OPTICS** AULA - N07P	**BEAM PROPAGATION AND FOURIER OPTICS** AULA - N07P	
17:00-18:00					
18:00-19:00					

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

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:00-12:00			**SEMINARS** AULA - N07P		
12:00-13:00					
13:00-14:00					
14:00-15:00	**BEAM PROPAGATION AND FOURIER OPTICS** AULA - N07P		**INTRODUCTION TO PHOTONICS** AULA -N07P		
15:00-16:00		**LABORATORY 1st SESSION** *[at several campus]*			**LABORATORY 1st SESSION** *[at several campus]*
16:00-17:00	**INTRODUCTION TO PHOTONICS** AULA - N07P		**BEAM PROPAGATION AND FOURIER OPTICS** AULA -N07P		
17:00-18:00					
18:00-19:00					

BLOCK 1 (Campus: Universitat de Barcelona) 14/09 to 4/12, 2015

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 - N07P		
12:00-13:00					
13:00-14:00					
14:00-15:00	**BEAM PROPAGATION AND FOURIER OPTICS** AULA – N07P	**QUANTUM OPTICS** AULA - N07P	**INTRODUCTION TO PHOTONICS** AULA -N07P	**PHOTONICS MATERIALS AND METAMATERIALS** AULA - N07P	**QUANTUM OPTICS** AULA - N07P
15:00-16:00					
16:00-17:00	**INTRODUCTION TO PHOTONICS** AULA - N07P	**MEASURING WITH LIGHT (optical metrology)** AULA -N07P	**BEAM PROPAGATION AND FOURIER OPTICS** AULA - N07P	**MEASURING WITH LIGHT (optical metrology)** AULA - N07P	**PHOTONICS MATERIALS AND METAM ATERIALS** AULA -N07P
17:00-18:00					
18:00-19:00	**OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY** AULA - N07P	**BUILDING OPTOMEC. SYSTEMS** AULA - N07P	**OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY** AULA - N07P	**BUILDING OPTOMEC. SYSTEMS** AULA -N07P	
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 -N07P	QUANTUM OPTICS AULA - N07P	BEAM PROPAGATION AND FOURIER OPTICS AULA - N07P	PHOTONICS MATERIALS AND METAMATERIALS AULA - N07P	OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY AULA - N07P
15:00-16:00					
16:00-17:00					
17:00-18:00		BUILDING OPTOMEC. SYSTEMS AULA - N07P		MEASURING WITH LIGH AULA - N07P	
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		QUANTUM OPTICS & INTROD. PHOTONICS	BEAM PROPAGATION AND FOURIER OPTICS & OPTOELECTRONICS & PHOTOVOLTAIC DEVICES	PHOTONICS MATERIALS AND METAMATERIALS & BUILDING OPTOMECHANICAL SYSTEMS & MEASURING WITH LIGH	
15:00-16:00	LABORATORY 2nd SESSION *[at several campus]*				LABORATORY 2nd SESSION *[at several campus]*
16:00-17:00					
17:00-18:00					
18:00-19:00					
19:00-20:00					

(Time table for these activities should be coordinated)

On 1st, 2nd and 3rd of December several visitis to different laboratories and research centersof UB, UAB and UPC will be organized.
The schadule will be announced by e-mail.
Please save the dates!

BLOCK 2 (Campus Nord: UPC) 9/12/2015 to 21/02/2016

6 TEACHING WEEKS (9/12/2015 to 7/02/2016)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00					
11:00-12:00			**SEMINARS** AULA:A4204		
12:00 -13:00					
13:00-14:00					
14:00-15:00	***VISUAL BIOPHOT & MULTISPECTRAL IMAGING*** **(*)** AULA:A5101	**NONLINEAR OPTICS** AULA:A5101	***VISUAL BIOPHOT & MULTISPECTRAL IMAGING*** **(*)** AULA:A5101	**NONLINEAR OPTICS** AULA:A5101	**INTEGRATED PHOTONICS** AULA: A5101
15:00-16:00	**ADV. QUANTUM OPTICS WITH APPLICATIONS(*)** AULA:A4206		**ADV. QUANTUM OPTICS WITH APPLICATIONS(*)** AULA:A4206		
16:00-17:00	**BUSINESS & PATENTS IN PHOTONICS (to be continued in BLOCK 3)** AULA: A5101	**LASER SYSTEMS & APPLICATIONS** AULA:A5101	**INT. PHOTONICS (*)** AULA:A5101	**LASER SYSTEMS & APPLICATIONS** AULA:A5101	**BUSINESS & PATENTS IN PHOTONICS (to be continued in BLOCK 3)** AULA:A5101
17:00-18:00			**OPT. MICROMAN. WORKSHOP** AULA:526 UB-PHYSICS		
18:00-19:00	**FIBERS & TELECOM** AULA:A5101	**QUANTUM SIMULATORS** AULA:A5101	**FIBERS & (*) TELECOM** AULA:A5101	**QUANTUM SIMULATORS** AULA:A5101	
19:00-20:00			**OPT. MICROMAN. WORKSHOP (*)** AULA:526 UB-PHYSICS		

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

BLOCK 2 (Campus Nord: UPC) 9/12/2015 to 21/02/2016

EXAMS: 8 to12/02/2016

	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: A5101	**NONLINEAR OPTICS** AULA:A5101	**INT. PHOTONICS** AULA:A5101	***VISUAL BIOPHOT & MULTISPECTRAL IMAGING*** AULA:A5101	
15:00-16:00					
16:00-17:00					
17:00-18:00	**FIBERS & TELECOM** AULA:A5101	**LASER SYSTEMS & APPLICATIONS** AULA:A5101	**OPT. MICROMAN. WORKSHOP** AULA:526 UB-PHYSICS	**QUANTUM SIMULATORS** AULA:A5101	
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 3st SESSION** *[at several campus]*				**LABORATORY 3st SESSION** *[at several campus]*
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: A4204		
12:00 -13:00					
13:00-14:00					
14:00-15:00	MANAGING LIGHT WITH DEVICES AULA: A5101	ULTRAFAST & ULTRAINTENSE LASER LIGHT AULA: A5101	EXPERIMENTAL OPTICAL TECHNIQUES IN BIOLOGY AULA: ICFO-laboratory	ULTRAFAST & ULTRAINTENSE LASER LIGHT AULA: A5101	MANAGING LIGHT WITH DEVICES AULA: A5101
15:00-16:00					
16:00-17:00	BUSINESS AND PATENTS IN PHOTONICS This course ends on 14/03 AULA: A5101	IMAGE PROC. IN BIOPHOT (*) AULA: A5101 / PHOTONICS SYST. IN TELECOM(*) AULA: A4206		QUANTUM INFORMATION THEORY AULA: A5101	BUSINESS AND PATENTS IN PHOTONICS This course ends on 14/03 AULA: A5101
17:00-18:00					
18:00-19:00	NANOPHOTONICS AULA: A5101	QUANTUM INFORMATION THEORY AULA: A5101		IMAGE PROC. IN BIOPHOT (*) AULA: A5101 / PHOTONICS SYST. IN TELECOM (*) AULA: A4206	NANOPHOTONICS AULA: A5101
19:00-20:00					

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

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: A5101	ULTRAFAST & ULTRAINTENSE LASER LIGHT AULA: A5101	MANAGING LIGHT WITH DEVICES AULA: A5101	MAGE PROC. IN BIOPHOT AULA: A5101	BUSINESS AND PATENTS IN PHOTONICS AULA: A5101
15:00-16:00					
16:00-17:00				PHOTONICS SYST. IN TELECOM AULA:	
17:00-18:00		QUAUTUM INF. THEORY AULA: A5101	NANOPHOTONICS AULA: A5101		
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		MANAGING LIGHT WITH DEVICES & NANOPHOTONICS & PHOT. & BUISNESS	ULTRAFAST & ULTRAINT. LASER LIGHT & IMAGE PROCECESING & PHOTONICS SYST. IN TELECOM	QUANTUM INFORMATION	
15:00-16:00	LABORATORY 4st SESSION *[at several campus]*				LABORATORY 4st SESSION *[at several campus]*
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)

- **29/04 – 1/04, Porquerolles, France**

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).

BLOCK 4 — 25/04/2016 to July or to September 2016

- **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

LABORATORY:

- **SESSION 1:** October 6th & 9th, 2015
- **SESSION 2:** November 30th & 4th December, 2015
- **SESSION 3:** February 15th & 19th, 2016
- **SESSION 4:** April18th & 22th, 2016
- **Recovery:** April 25th & 29th, 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.