

MASTER IN PHOTONICS
MASTER EUROPHOTONICS

TIMETABLE
ACADEMIC YEAR 2021-2022

Last update: October 6th 2021



UNIVERSITAT POLITÈCNICA
DE CATALUNYA

UAB
Universitat Autònoma
de Barcelona



UNIVERSITAT DE
BARCELONA

ICFO
Institut
de Ciències
Fotòniques

Calendar. Academic Year 2021-2022

September '21						
M	Tu	W	Th	F	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 '21						
M	Tu	W	Th	F	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 '21						
M	Tu	W	Th	F	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 '21						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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						

March '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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 '22						
M	Tu	W	Th	F	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		

Block	Teaching Period
B1A	13 Sept - 8 Oct
B1B	13 Oct - 3 Dec
B2	9 Dec - 18 Feb
B3	21 Feb - 29 Apr
MSc Thes	2 May-...

Lab Days
Exams
Activity Days
Without activity

Important dates and information

REGISTRATION:

Master in Photonics: 1st week of September / Europhotonics: 1st week of October

COURSE STARTS:

Master in Photonics: 13 September / Europhotonics: 13 October

SPRING SCHOOL by Erasmus Mundus Europhotonics Master

Tentative date: March 28-April 2nd 2022.

(Master in Photonics students are also invited)

TEACHING BLOCKS

Lectures are grouped into three teaching blocks plus a fourth block allocated for the Master Thesis
Block 1A: From 13 Sep to 8 Oct (**only MSc. in Photonics**). **Location:** University of Barcelona, Physics building, Barcelona

Block 1B: From 13 Oct to 3 Dec. **Location:** University of Barcelona, Physics building, Barcelona

Block 2: From 9 Dec to 22 Dec and from 10 Jan to 18 Feb. **Location:** UPC Campus Nord, Barcelona

Block 3: From 21 Feb to 25 Apr. **Location:** UPC Campus Nord, Barcelona

Block 4: From 26 Apr until September. **Location:** Advisor's institution.

Christmas holidays: From 23 Dec 2021 to 9 Jan 2022

Holy Week holidays: From 11 Apr to 18 Apr

Block 1A: Faculty of Physics (Universitat de Barcelona)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00			SEMINARS FN06M-FN07P		
11:00-12:00					
12:00-13:00					
13:00-14:00					
14:00-15:00		INTRODUCTION TO PHOTONICS A43M	INTRODUCTION TO PHOTONICS A43M	INTRODUCTION TO PHOTONICS A43M	
15:00-16:00					
16:00-17:00		BEAM PROPAGATION AND FOURIER OPTICS A43M	BEAM PROPAGATION AND FOURIER OPTICS A43M	BEAM PROPAGATION AND FOURIER OPTICS A43M	
17:00-18:00					

Block 1A: Labs

	MONDAY 4 OCTOBER				FRIDAY 8 OCTOBER
15:00-19:00	LABORATORY SESSION 1 (UPC / UAB / UB)				LABORATORY SESSION 1 (UPC / UAB / UB)

Notes: Lecture Room: A43M for lectures, FN06M-FN07P for seminars.

Block 1B: Faculty of Physics (Universitat de Barcelona)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00			SEMINARS FN06M-FN07P		
11:00-12:00					
12:00-13:00					
13:00-14:00					
14:00-15:00	FIBERS AND TELECOM A23M	QUANTUM OPTICS (A44M) / ACTIVE AND SPECTRAL IMAGING (A43M)	INTRODUCTION TO PHOTONICS A23M	FIBERS AND TELECOM A26P	QUANTUM OPTICS (A44M) / ACTIVE AND SPECTRAL IMAGING (A43M)
15:00-16:00					
16:00-17:00	INTRODUCTION TO PHOTONICS A23M	FROM COOLING AND TRAPPING... A44M	BEAM PROPAGATION AND FOURIER OPTICS A23M	FROM COOLING AND TRAPPING ... A26P	MEASURING WITH LIGHT A44M
17:00-18:00					
18:00-19:00	BEAM PROPAGATION AND FOURIER OPTICS A23M	MEASURING WITH LIGHT A44M	PHOTONICS MATERIALS AND METAMATERIALS A23M	PHOTONICS MATERIALS AND METAMATERIALS A26P	BEAM PROPAGATION AND FOURIER OPTICS A44M
19:00-20:00					

Notes:

Courses that overlap in time cannot be chosen simultaneously (Quantum Optics and Active and Spectral Imaging)
Lectures Room: The classrooms assigned to each subject are highlighted in green. See Annex for location.

Blocks 1A and 1B: Exams, Labs and Activities.

	MONDAY 22 NOVEMBER	TUESDAY 23 NOVEMBER	WEDNESDAY 24 NOVEMBER	THURSDAY 25 NOVEMBER	FRIDAY 26 NOVEMBER
14:00-17:00	INTRODUCTION TO PHOTONICS A23M	QUANTUM OPTICS A44M	PHOTONICS MATERIALS AND METAMATERIALS A23M	FIBERS AND TELECOM A26P	BEAM PROPAGATION AND FOURIER OPTICS A44M
17:00-20:00		MEASURING WITH LIGHT A44M	ACTIVE AND SPECTRAL IMAGING A23M	FROM COOLING AND TRAPPING A26P	

	MONDAY 29 NOVEMBER	TUESDAY 30 DECEMBER	WEDNESDAY 1 DECEMBER	THURSDAY 2 DECEMBER	FRIDAY 3 DECEMBER
15:00-19:00	LABORATORY SESSION 2 (UPC / UAB / UB)	ACTIVITIES DAY 1	ACTIVITIES DAY ACTIVE AND SPECTRAL IMAGING	ACTIVITIES DAY 3	LABORATORY SESSION 2 (UPC / UAB / UB)

Notes:

During the Activity days, several visits to research labs will be scheduled (including UPC, UAB, UB and ICFO)
Lecture rooms for exams in green.

Block 2: Campus Nord, Universitat Politècnica de Barcelona (UPC)

10:00-11:00			SEMINARS A4206		
11:00-12:00					
12:00-13:00					
13:00-14:00					
14:00-15:00	VISUAL BIOPHOTONICS (A4205) / ADVANCED QUANTUM OPTICS ... (A4206)	NONLINEAR OPTICS A4205	VISUAL BIOPHOTONICS (A4205) / ADVANCED QUANTUM OPTICS ... (A4206)	NONLINEAR OPTICS A4205	INTEGRATED PHOTONICS A4205
15:00-16:00					
16:00-17:00	BUSINESS AND PATENTS IN PHOTONICS A4205	QUANTUM SIMULATORS A4205	IMAGE PROCESSING IN BIOPHOTONICS A4205	BUSINESS AND PATENTS IN PHOTONICS A4205	QUANTUM SIMULATORS A4205
17:00-18:00					
18:00-19:00	LASER SYSTEMS AND APPLICATIONS A4205	INTEGRATED PHOTONICS A4205		LASER SYSTEMS AND APPLICATIONS A4205	
19:00-20:00					

Notes: Courses that overlap in time cannot be chosen simultaneously (Visual Biophotonics / Advanced Quantum Optics)

Lecture Rooms: Seminars – A4 206. Main room – A4 205. Alternative for overlapping courses (in red) – A4 206

Block 2: Exams, Labs and Activities.

	MONDAY 7 FEBRUARY	TUESDAY 8 FEBRUARY	WEDNESDAY 9 FEBRUARY	THURSDAY 10 FEBRUARY	FRIDAY 11 FEBRUARY
14:00–17:00	VISUAL BIOPHOTONICS (A4205) ADV. QUANTUM OPTICS WITH APPLICATIONS (A4206)	LASER SYSTEMS & APPLICATIONS (A4205)	IMAGE PROCESSING IN BIOPHOTONICS (A4205)	NONLINEAR OPTICS (A4205)	QUANTUM SIMULATORS (A4205)
17:00–20:00		INTEGRATED PHOTONICS (A4205)			
	MONDAY 14 FEBRUARY	TUESDAY 15 FEBRUARY	WEDNESDAY 16 FEBRUARY	THURSDAY 17 FEBRUARY	FRIDAY 18 FEBRUARY
14:00-18:00	LABORATORY SESSION 3 (UPC / UAB / UB)	ACTIVITIES Business&Patents Campus Nord	ACTIVITIES Visual Biophotonics CD6, Terrassa	ACTIVITIES DAY 6	LABORATORY SESSION 3 (UPC / UAB / UB)

Notes:

The specific timetable for the activities days will be coordinated by the corresponding professors

Lecture Room for exams: A4 205/A4206

Block 3: Campus Nord, Universitat Politècnica de Barcelona (UPC)

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00-11:00			SEMINARS A4206		
11:00-12:00					
12:00-13:00					
13:00-14:00					
14:00-15:00	MANAGING LIGHT WITH DEVICES (A4205) / QUANTUM LIGHT-MATTER INTERFACES (A4206)	ULTRAFAST AND ULTRAIINTENSE LIGHT (A4205)/ OPTICAL SYSTEMS DESIGN (A4206)	MANAGING LIGHT WITH DEVICES (A4205) /QUANTUM LIGHT-MATTER INTERFACES (A4206)	ULTRAFAST AND ULTRAIINTENSE LIGHT (A4205)/ OPTICAL SYSTEMS DESIGN (A4206)	EXPERIMENTAL OPTICAL TECHNIQUES IN BIOLOGY (ICFO)
15:00-16:00					
16:00-17:00	BUSINESS AND PATENTS IN PHOTONICS A4205	MACHINE LEARNING ON CLASSICAL AND QUANTUM DATA A4205	BUSINESS AND PATENTS IN PHOTONICS A4205	MACHINE LEARNING ON CLASSICAL AND QUANTUM DATA A4205	
17:00-18:00					
18:00-19:00	NANOPHOTONICS A4205	OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY A4205	NANOPHOTONICS A4205	OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY A4205	
19:00-20:00					

Notes: Courses that overlap in time cannot be chosen simultaneously (Managing Light with Devices / Quantum Light-Matter Interfaces and Ultrafast and Ultraintense light / Optical System Design)

Lecture Rooms: Seminars – A4 206. Main room – A4 205. Alternative for overlapping courses (in red) – A4 206

Block 3: Exams, Labs and Activities.

	MONDAY 4 APRIL	TUESDAY 5 APRIL	WEDNESDAY 6 APRIL	THURSDAY 7 APRIL	FRIDAY 8 APRIL
14:00-17:00	NANOPHOTONICS (A4205)	ULTRAFAST & ULTRAINTENSE LASER LIGHT (A4205)	MANAGING LIGHT WITH DEVICES (A4205) QUANTUM LIGHT MATTER INTERFACES (A4206)	MACHINE LEARNING ON CLASSICAL AND QUANTUM DATA (A4205)	EXPERIMENTAL OPTICAL TECHNIQUES IN BIOLOGY (ICFO)
17:00-20:00		OPTOELECTRONICS & PHOTOVOLTAIC TECHNOLOGY (A4205)		OPTICAL SYSTEMS DESIGN (A4205)	

	MONDAY 25 APRIL	TUESDAY 19 APRIL	WEDNESDAY 20 APRIL	THURSDAY 21 APRIL	FRIDAY 22 APRIL
15:00-19:00	LABORATORY SESSION 4 (UPC / UAB / UB)	BUSINESS & PATENTS IN PHOTONICS 15:00-20:00	ACTIVITIES DAY 7	ACTIVITIES DAY 8	LABORATORY SESSION 4 (UPC / UAB / UB)

Notes: The specific timetable for the activities days will be coordinated by the corresponding professors. Monday April 18th is a holiday so the Laboratory session 4 will be carried out the ensuing week: Monday 25th
Lecture Room for exams: A4 205/ A4 206

Block 4: Master Thesis (26 Apr to 9 Sep, 2022)

BLOCK 4 is devoted to the Master Thesis work.

The presentations will be scheduled in 2 sessions in **July and September 2022**.

Notes

SEMINARS:

A **3 hours/week slot** is reserved for *seminars*. These seminars will be organized occasionally and will be announced few weeks in advance and held in Campus Nord, when possible. They are part of the Master program and the assistance is compulsory.

EXAMS AND EVALUATION PRECEDURE:

Professors of each course decide the assessment procedure, as pointed out in the Course Contents. Exams are scheduled at the end of each teaching block.

Exceptionally, other examination activities might be performed outside the exams week schedule.

OTHER POSSIBLE CIRCUMSTANCES

Under unexpected circumstances, lectures may be cancelled. In this case, reschedule will be carried out provided that both students and professors agree.

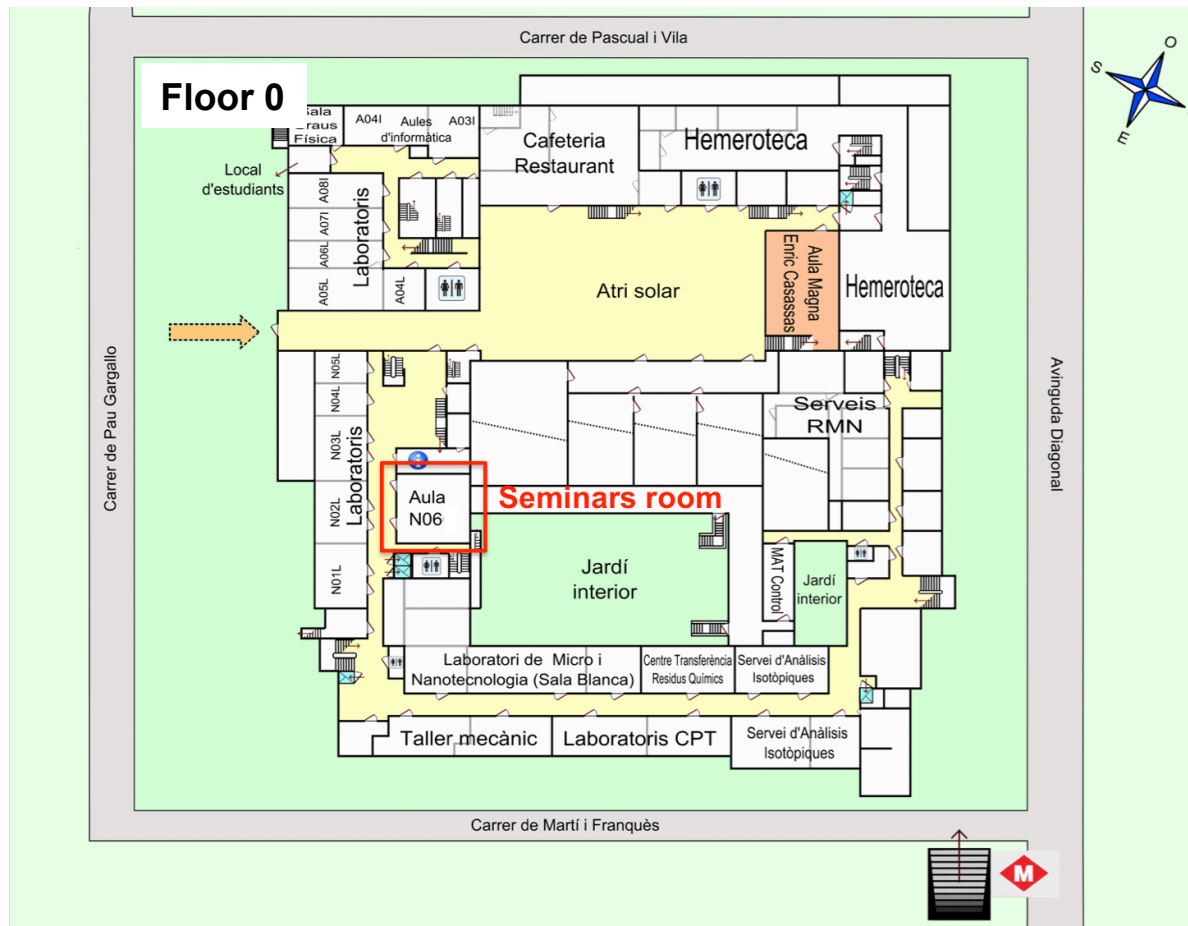
All courses will be taught in-classroom unless the health circumstances advice otherwise.

Block 4: Master Thesis (26 Apr to 9 Sep, 2022)

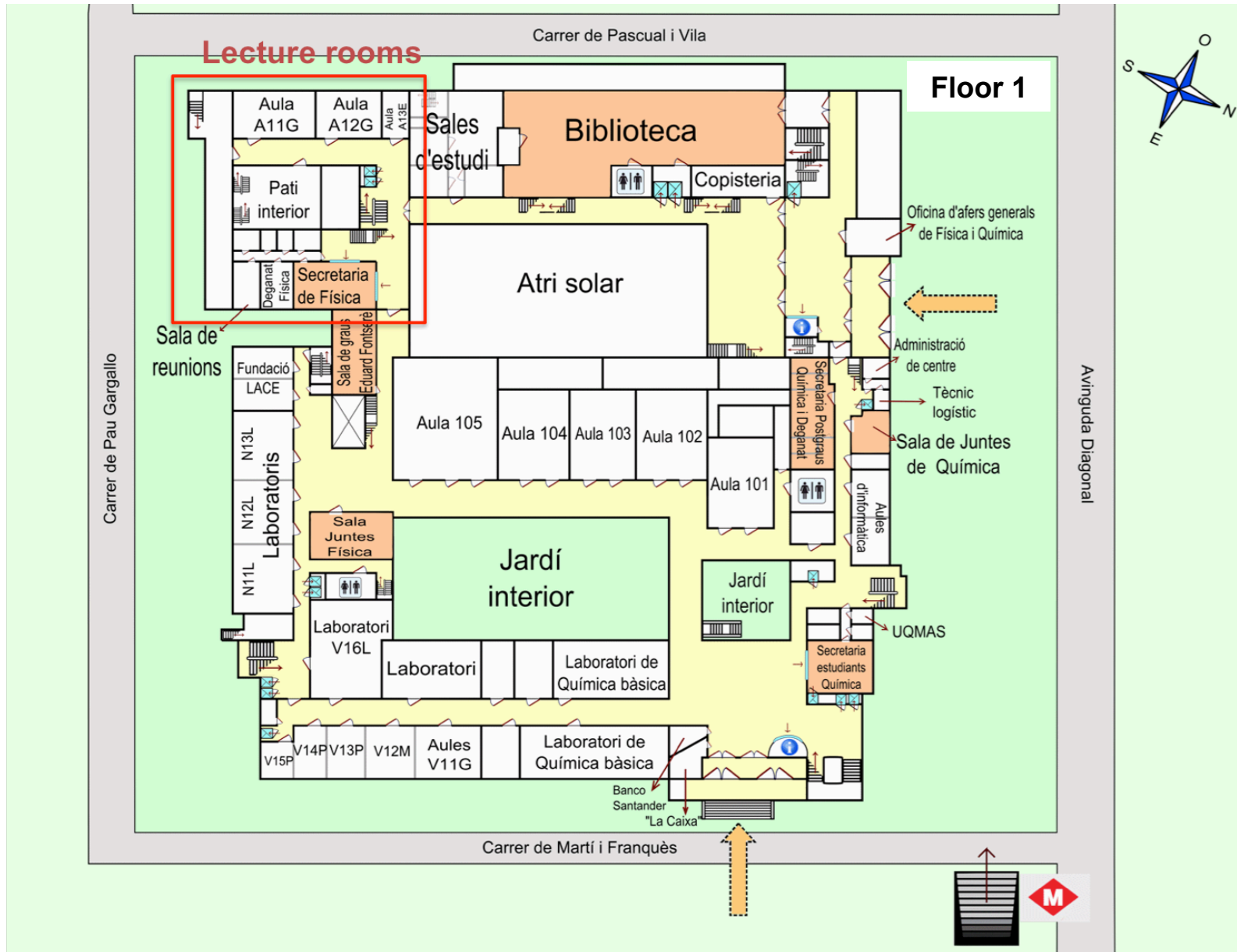
BLOCK 4 is devoted to the Master Thesis work.

The presentations will be scheduled in 2 sessions in **July and September 2022**.

Annex: Classroom distribution for UB lectures

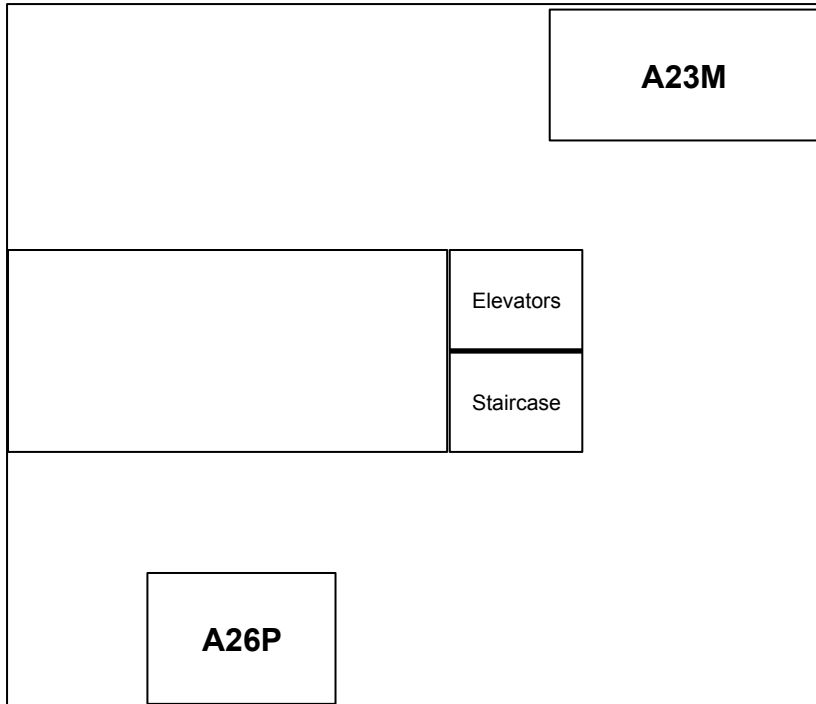


Annex: Classroom distribution for UB lectures



Annex: Classroom distribution for UB lectures

Lecture rooms wing
2nd Floor



Lecture rooms wing
4th Floor

