

















Important dates



REGISTRATION:

6th - 10th of September 2021

COURSE STARTS:

13th September 2021

ENTREPRENEURSHIP WEEK

4th to 7th April 2022

ANNUAL CAREER SYMPOSIUM

8th April 2022

MASTER THESIS SELECTION

Sep 13th-Dec 23rd

INTERNSHIP & DIRECTED RESEARCH PROJECTS

From Oct 11th

TEACHING BLOCKS:

BLOCK 1: Sep 13th-Oct 8th: Quantum Core Subjects (Mandatory)

BLOCK 2: Oct 11th-Nov 9th: Quantum Core Subjects + Electives 1

BLOCK 3: Nov 10th-Nov 26th_ Electives 1

BLOCK 4: Dec 8th-Feb 4th Electives 2

BLOCK 5: Apr 4th-Apr 8th Entrepreneurship & Innovation Week + Annual Career Symposium

BLOCK 6: Feb 14th-Mid July: Master Thesis

LARGE HOLIDAYS:

Christmas: Dec 23rd-Jan 7th Easter: Apr 14th-Apr 18th















Calendar. Academic year 2021-2022



September	October	November	December
Master starts 13thQuantum Core	- Quantum Core - Electives 1	Exams Quantum CoreElectives 1	- Electives 2
January	February	March	April
- Electives 2	Electives 2Exams electivesMaster Thesis	- Master Thesis	 Master Thesis Entrepreneurship & Innovation Annual Career Symposium Reevaluation
May	June	July	August / September
- Master Thesis	- Master Thesis	- Master Thesis defense	Well deserved Holidays + Reevaluation Master Thesis

BLOCK 1: SEP 13TH - OCT 8TH, FACULTAT DE FISICA, UB



Mandatory Quantum Core subjects

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:00-09:00	QUANTUM INFORMATION		QUANTUM INFORMATION		QUANTUM INFORMATION
09:00-10:00	THEORY		THEORY		THEORY
10:00-11:00		ADVANCED		ADVANCED	ADVANCED QUANTUM
11:00-12:00		QUANTUM MECHANICS		QUANTUM MECHANICS	MECHANICS
12:00-13:00	CONDENSED MATTER		CONDENSED MATTER	CONDENSED MATTER	
13:00-14:00	MALIEN		IMALIEN	MALIEN	















BLOCK 2: OCT 11TH - NOV 9TH, FACULTAT DE FISICA, UB



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:00-09:00	QUANTUM INFORMATION		QUANTUM INFORMATION		QUANTUM INFORMATION
09:00-10:00	THEORY		THEORY		THEORY
10:00-11:00		ADVANCED		ADVANCED	ADVANCED
11:00-12:00		QUANTUM MECHANICS		QUANTUM MECHANICS	QUANTUM MECHANICS
12:00-13:00	CONDENSED		CONDENSED MATTER	CONDENSED MATTER	
13:00-14:00	MATTER		MATTER	MATTER	
14:00-15:00		QUANTUM OPTICS (QUANTOP)			QUANTUM OPTICS (QUANTOP)
15:00-16:00		(QUANTUP)		(QUANTUP)	
16:00-17:00	QUANTUM STATISTICAL	FROM COOLING AND TRAPPING	QUANTUM STATISTICAL	FROM COOLING AND TRAPPING	
17:00-18:00	INFERENCE	(QUANTOP)	INFERENCE	(QUANTOP)	
18:00-19:00	SOLID STATE SIMULATION	QUANTUM FIELD THEORY	SOLID STATE SIMULATION	QUANTUM FIELD THEORY	
19:00-20:00	TECHNIQUES	HILORI	TECHNIQUES	TTILORT	















BLOCK 3: NOV 10TH - NOV 26TH, FACULTAT DE FISICA, UB



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:00-09:00					
09:00-10:00					ELECTRONICS FOR
10:00-11:00					THE QTECH LAB
11:00-12:00					
12:00-13:00					
13:00-14:00					
14:00-15:00		QUANTUM OPTICS (QUANTOP)			QUANTUM OPTICS (QUANTOP)
15:00-16:00					
16:00-17:00	QUANTUM	FROM COOLING	QUANTUM	FROM COOLING	
17:00-18:00	STATISTICAL INFERENCE	AND TRAPPING (QUANTOP)	STATISTICAL INFERENCE	AND TRAPPING (QUANTOP)	
18:00-19:00	SOLID STATE	QUANTUM FIELD THEORY	SOLID STATE	QUANTUM FIELD	
19:00-20:00	SIMULATION TECHNIQUES		SIMULATION TECHNIQUES	THEORY	















BLOCK 4: DEC 8TH - FEB 4TH, FACULTAT DE FISICA, UB



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:00-09:00					
09:00-10:00	QUANTUM SENSING		QUANTUM SENSING		ELECTRONICS FOR
10:00-11:00	SENSING	QUANTUM	SENSING	QUANTUM	THE QTECH LAB
11:00-12:00	ADVANCED		ADVANCED QUANTUM	MATERIALS	
12:00-13:00	QUANTUM INFORMATION	QUANTUM MONTECARLO	INFORMATION	QUANTUM MONTECARLO	
13:00-14:00		MONTECARLO			
14:00-15:00	ADV QUANTUM OPTICS (QUANTOP)	QTECH SUPERCONDUCTIN	ADV QUANTUM OPTICS	QTECH SUPERCONDUCTIN	TENSOR NETWORKS
15:00-16:00		G CIRCUITS	(QUANTOP)	G CIRCUITS	NETWORKS
16:00-17:00	QUANTUM COMPUTING	QUANTUM SIMULATORS	TENSOR NETWORKS	QUANTUM COMPUTING	QUANTUM SIMULATORS
17:00-18:00	COMPOTING	(QUANTOP)	NETWORKS	COMPOTING	(QUANTOP)
18:00-19:00	`	MACHINE	QUANTUM	MACHINE	
19:00-20:00		LEARNING	COMMUNICATIONS	LEARNING	















BLOCK 5: ENTREPRENEURSHIP AND INNOVATION WEEK @STARTUB



	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08:30-09:30					
09:30-10:30	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Entrepreneurship and Innovation	
10:30-11:30	and innovation	and innovation	and innovation	and innovation	
11:30-12:00					
12:00-13:00	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Annual
13:00-14:00					Career
14:00-15:00					Symposium
15:00-16:00	Entropropourchin	Entropropourchin	Entropropourchin	Entropropourchin	(@ICFO)
16:00-17:00	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Entrepreneurship and Innovation	Entrepreneurship and Innovation	
17:00-18:00					
18:00-19:00					
19:00-20:00					















EXAMS AND EVALUATIONS



EXAMS AND EVALUATION PROCEDURE: 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.

EXAMS MANDATORY SUBJECTS (QUANTUM CORE)

ADVANCED QUANTUM MECHANICS Nov 15th CONDENSED MATTER Nov 18th QUANTUM INFORMATION THEORY Nov 22nd

EXAMS ELECTIVE SUBJECTS (WHEN NEEDED)

ELECTIVES 1: Nov 29th-Dec3rd ELECTIVES 2: Feb 7th-Feb11th

REEVALUATION EXAMS

Apr 19th-Apr22nd

MASTER THESIS DEFENSE

Jul 11-Jul 22nd

MASTER THESIS REEVALUATION

Sep5th-Sep9th















OTHER IMPORTANT INFO



SEMINARS: A 3 hours/week slot is reserved for seminars. These seminars will be announced few weeks in advance and there will be held in Facultat de Fisica (UB), when possible. They are part of the Master program and the assistance is compulsory.

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.













