

Master in Theoretical Chemistry and Computational Modelling GROUP 271

First Semester

Subjects

Code	Name	Acronym	Coordinator
32523	<i>Mathematical foundations of quantum mechanics</i>	FMMC	Antonio Picón (UAM)
32524	<i>Statistical mechanics and applications on simulations</i>	MEAS	Ramón Sayós (UB)
32525	<i>Symmetry in atoms, molecules, and solids</i>	SAMS	Pablo García (UNICAN)
32526	<i>Computational techniques and numerical calculations</i>	TC	Pere Alemany (UB)
32527	<i>Theoretical chemistry methods I</i>	MQT I	Angelo Giussani (UV)
32528	<i>Theoretical chemistry methods II</i>	MQT II	Vícto Rayón (UB)
32529	<i>Deepening in methods of theoretical chemistry</i>	PMQT	Marcos Mandado (UVIGO)
32530	<i>Linux and Linux system managing</i>	LIN	Pablo Sanz (UAM)
32531	<i>Applied theoretical chemistry laboratory</i>	LQTA	Lara Martínez (UAM)
33422	<i>Transversal scientific and linguistic competence</i>	CCLT	Cristina Sanz (UAM)

COLOUR CODE:

Lectures	No colour
Lectures outside the Faculty (another Centre, another University)	
Computer Room	
Evaluation	
Doubs/Exercises resolution	
Conferences	

*These lessons will be held at the CCC's computer room located in Module 8.

**Computer room Faculty of Science.

Master in Theoretical Chemistry and Computational Modelling GROUP 271
WEEK 25-29 SEPTEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 14:00	11:30- 14:30 UAM's Official Opening Ceremony	LIN*	LIN*	LIN*	LIN*

WEEK 02-06 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 14:00	LIN*	LIN*	LIN*	LIN*	

WEEK 09-13 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
				HOLIDAY (National)	HOLIDAY
15:00 – 17:00	FMMC	MEAS	FMMC		
17:00 – 19:00	SAMS				

WEEK 16-20 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TC*	TC*	TC*	TC*	TC*
13:00 – 15:00					
15:00 – 17:00	FMMC	MEAS	FMMC	MEAS	FMMC
17:00 – 19:00	SAMS				SAMS

WEEK 23-27 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	CCLT	LQTA*	CCLT	LQTA*	CCLT
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00	FMMC	MEAS	Sem. FMMC	MEAS	Sem. FMMC

Master in Theoretical Chemistry and Computational Modelling GROUP 271

17:00 – 19:00	SAMS				SAMS
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WEEK 30 OCTOBER -03 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	CCLT	LQTA*	HOLIDAY (National)	LQTA*	CCLT
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00	FMMC	MEAS			MEAS
17:00 – 19:00		SAMS		SAMS	

WEEK 06-10 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY		
10:00 – 11:00	CCLT	LQTA*		HOLIDAY (Madrid City)	HOLIDAY (Faculty of Science)		
11:00 – 12:00							
12:00 – 13:00							
13:00 – 15:00							
15:00 – 17:00	FMMC	MEAS					
17:00 – 19:00		SAMS					

WEEK 13-17 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	CCLT	LQTA*	CCLT	LQTA*	CCLT
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00	FMMC		FMMC		FMMC
17:00 – 19:00		SAMS			LINUX Deadline Homework

WEEK 20-24 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	CCLT	LQTA**	CCLT	LQTA**	CCLT
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00	FMMC	TC	FMMC	TC	MQT I
17:00 – 19:00					

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WEEK NOVEMBER 27 TO DECEMBER 01

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	CCLT	LQTA*	CCLT	LQTA*	
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00	MQT I	TC	MQT I	TC	MQT I
17:00 – 19:00	TC 1 - Deadline Homework				

WEEK 4-08 DECEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
			HOLIDAY (National)	HOLIDAY	HOLIDAY (National)
13:00 – 15:00					
15:00 - 17:00	MQT I	PMQT			

WEEK 11-15 DECEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	MEAS part I deadline Homework	LQTA*		LQTA*	LQTA Deadline Homework
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00	MQT I		MQT I		MQT I

WEEK 18-22 DECEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	LQTA Oral present.	CCLT Deadline Homework			
11:00 – 12:00					
12:00 – 13:00					

Master in Theoretical Chemistry and Computational Modelling GROUP 271
**UNIVERSITY OF OVIEDO
INTENSIVE COURSE (3 WEEKS)**
WEEK 8-12 JANUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:30 – 10:00	FMMC	FMMC	FMMC	FMMC	FMMC
10:15 – 11:45	MQT I	MQT I	MQT I	MQT I	MQT I
12:00 – 13:30	FMMC	FMMC	FMMC	FMMC	FMMC
13:30 – 15:00	LUNCH TIME				
15:00 – 17:00	MEAS	MEAS	MEAS	MEAS	MEAS
17:30 – 19:30	MEAS (Pract)	MEAS (Pract)	MEAS (Pract)	MEAS (Pract)	MEAS (Pract)

WEEK 15-19 JANUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 11:00	SAMS	SAMS	SAMS(Pract)	SAMS(Pract)	SAMS(Pract)
11:30 – 13:30	SAMS	SAMS	SAMS	SAMS	SAMS
13:30 – 15:00	LUNCH TIME				
15:00 – 17:00	TC	TC	TC	TC	TC
17:30 – 19:30	MQT I	MQT I	MQT I	MQT I	MQT I

WEEK 22-26 JANUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 11:00	PMQT	PMQT	PMQT	PMQT	PMQT
11:30 – 13:30	PMQT (Pract)	PMQT (Pract)	PMQT	PMQT (Pract)	PMQT (Pract)
13:30 – 15:00	LUNCH TIME				
15:00 – 16:30	MQT II	MQT II	MQT II	MQT II	MQT II
16:45 – 18:15	MQT II	MQT II	MQT II	MQT II	MQT II
18:30 – 20:00	MQT II (Pract)	MQT II (Pract)	MQT II (Pract)	MQT II (Pract)	MQT II (Pract)

WEEK 29 JANUARY TO 2 FEBRUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	HOLIDAY				

Master in Theoretical Chemistry and Computational Modelling GROUP 271

SECOND SEMESTER

Subjects

Code	Name	Acronym	Coordinator
32528	Theoretical chemistry methods II	MQT II	Víctor Rayón (UVA)
32529	Deepening in methods of theoretical chemistry	PMQT	Marcos Mandado (UVIGO)
30576	Dynamics of the chemical reactions	DRQ	Pablo Gamallo (UB)
31246	Excited states	EE	Javier Cerezo (UAM)
31248	Solids	S	Antonio Márquez (US)
32532	Lasers	LA	Alicia Palacios (UAM)
32533	Computational biochemistry	BC	Vicent Moliner (UJI)

COLOUR CODE:

Lectures	No colour
Lectures outside the Faculty (another Centre, another University)	
Computer Room	
Evaluation	
Doubs/Exercises resolution	

WEEK 05-09 FEBRUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	MQT II	PMQT	MQT II	PMQT	
11:00 – 12:00					

WEEK 12-16 FEBRUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	MQT II	PMQT	MQT II	PMQT	Sem. MQT I
11:00 – 12:00					
12:00 – 15:00					
15:00 – 16:00					Seminar SAMS

WEEK 19-23 FEBRUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00	MQT II	PMQT		PMQT	Deadline homework 1st week of the IC (Except MEAS)
11:00 – 12:00					

WEEK FEBRUARY 26 TO MARCH 02

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00		PMQT			Seminar MQT II
11:00 – 12:00					Deadline homework IC – MEAS (PRACT)

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WEEK 04- 08 MARCH

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
15:00 – 16:00					Deadline homework 2nd week of the IC.
16:00 – 17:00					

WEEK 11-15 MARCH

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
15:00 – 16:00				EXAM MQT I	
16:00 – 17:00					

WEEK 18-22 MARCH

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
15:00 – 16:00		TENTATIVE HOLIDAY (Madrid city)			Deadline homework 3rd week of IC
16:00 – 17:00					

WEEK 25-29 MARCH

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	HOLIDAYS (Easter Week)				

WEEK 01-05 APRIL

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
		EXAM PQMT			

**OPTATIVE SUBJECTS (subject to modifications at ZCAM node)
UNIVERSITY OF ZARAGOZA (ZCAM)**

Lasers

WEEK 08-12 APRIL

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-11:00	Theo-1	Theo-2	Theo-3	Theo-5	Pract-7
11:30-13.30	Theo-1	Theo-2	Prac-3	Prac-5	Pract-8
15:00-17:00	Prac-1	Prac-2	Theo-4	Theo-6	
17:30-19:00	Prac-1	Prac-2	Prac-4	Prac-6	

Computational Biochemistry

WEEK 15-19 APRIL

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-11:00	Theo-1	Theo-2	Theo-3	Theo-5	Pract-7
11:30-13.30	Theo-1	Theo-2	Prac-3	Prac-5	Pract-8
15:00-17:00	Prac-1	Prac-2	Theo-4	Theo-6	
17:30-19:00	Prac-1	Prac-2	Prac-4	Prac-6	

Dynamics of the Chemical Reactions

WEEK 22-26 APRIL

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-11:00	Theo-1	Theo-2	Theo-3	Theo-5	Theo-7
11:30-13.30	Theo-1	Theo-2	Prac-3	Prac-5	Prac-7
15:00-17:00	Prac-1	Prac-2	Theo-4	Theo-6	Final test (13:30-14:30)
17:30-19:30	Prac-1	Prac-2	Prac-4	Prac-6	

WEEK APRIL 29 TO MAY 03

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	Deadline homework Lasers		HOLIDAY (National)	HOLIDAY (Madrid City)	Deadline homework Biochemistry

UNIVERSITY OF ZARAGOZA (ZCAM)

Solid States

University of Zaragoza (ZCAM)

WEEK 6-10 MAY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-11:00	Theo-1	Theo-2	Theo-3	Theo-5	Pract-7
11:30-13.30	Theo-1	Theo-2	Prac-3	Prac-5	Pract-8
15:00-17:00	Prac-1	Prac-2	Theo-4	Theo-6	
17:30-19:00	Prac-1	Prac-2	Prac-4	Prac-6	

Excited States

WEEK 13-17 MAY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00-11:00	Theo-1	Theo-2	Theo-3	Theo-5	Pract-7
11:30-13.30	Theo-1	Theo-2	Prac-3	Prac-5	Pract-8
15:00-17:00	Prac-1	Prac-2	Theo-4	Theo-6	
17:30-19:00	Prac-1	Prac-2	Prac-4	Prac-6	

WEEK 20-24 MAY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	Deadline homework Dynamics				Deadline homework Solid States

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WEEK 27-31 MAY

HORA	LUNES	MARTES	MIÉRCOLES	JUEVES	VIERNES
			Deadline homework Excited States		

Closing date of records June 06, 2024.

TFM evaluation deadline July 5, 2024.

WEEK 3-7 JULY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TFM defense will take place this week. The date must be fixed yet.				

Closing date for TFM records: July 11, 2024.

SUPPLEMENTARY ASSESSMENT

WEEK 03-06 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

WEEK 10-14 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
					Deadline to send retake exercises.

WEEK 17-21 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

WEEK 24-28 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

Closing date for records, July 3, 2024.

TFM evaluation deadline: September 17, 2024.

Closing date for TFM records: September 19, 2024.

First Semester

Subjects

Code	Name	Acronym	Coordinator
31236	<i>Advanced Computational Techniques</i>	ACT	Ramón Sayós (UB)
33423	<i>Advanced Methods in Electronic Structure, Dynamics and Molecular Modelling</i>	AMES	Manuel Alcamí (UAM)
33424	<i>Multiscale, Machine Learning and QSAR Methods Applied To Biomolecules</i>	MML	Iñaki Tuñón (UV)
33425	<i>Theoretical Methods for Simulation of Materials (IMDEA)</i>	TMSM	Johannes Gierschner
33426	<i>Computational Chemistry Programming Project</i>	CCPP	Jeremy Harvey (KULeuven)
33427	<i>From Theory to Implementation: Tutorials in Theoretical Chemistry</i>	TTC	Nicolas Suaud (UPS)

COLOUR CODE:

Lectures	No colour
Lectures outside the Faculty (another Centre, another University)	
Computer Room	
Evaluation	
Doubs/Exercises resolution	
Conferences	

UNIVERSITY OF VALENCIA

WEEK 18-22 SEPTEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	AMES - Theory	AMES - Theory	AMES - Theory	AMES - Theory	AMES - Theory
15:00 – 19:00	AMES - PRACT	AMES - PRACT	AMES - PRACT	AMES - PRACT	AMES - PRACT

WEEK 25-29 SEPTEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 11:00	AMES - Theory	AMES - Theory	AMES - Theory	AMES - Theory	AMES - Theory
15:00 – 19:00	AMES - PRACT	AMES - PRACT	AMES - PRACT	AMES - PRACT	AMES - PRACT

WEEK 02-06 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	MML - Theory	MML - Theory	MML - Theory	MML - Theory	MML - Theory
15:00 – 19:00	MML - Pract	MML - Pract	MML - Pract	MML - Pract	MML - Pract
	CCPP*				

* The course will be focused on Coding of a program to compute the semi empirical density-functional theory tight binding energy of simple molecules.

WEEK 09-13 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 12:00			EXAM - AMES online	HOLIDAY (National)	
15:00 – 17:00					
17:00 – 19:00					

WEEK 16-20 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 12:00					EXAM - ML online
15:00 – 19:00					

Master in Theoretical Chemistry and Computational Modelling GROUP 272

University of Barcelona
Advanced Computational Techniques

WEEK 23-27 OCTOBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00 – 13:00	ACT - Theory	ACT - Theory	ACT - Theory	ACT - Theory	ACT - Theory
15:00 – 19:00	ACT - Pract	ACT - Pract	ACT - Pract	ACT - Pract	ACT - Pract

WEEK 30 OCTOBER -03 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00			HOLIDAY (National)		
11:00 – 12:00					
12:00 – 13:00					
13:00 – 15:00					
15:00 – 17:00					
17:00 – 19:00					

WEEK 06-10 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 12:00			EXAM - ACT online	HOLIDAY (Madrid City)	HOLIDAY (Faculty of Science-UAM)
15:00 – 17:00					
17:00 – 19:00					

WEEK 13-17 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 14:00	Deadline to submit 2 homework				

WEEK 20-24 NOVEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00					
11:00 – 12:00					

WEEK NOVEMBER 27 TO DECEMBER 01

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TMSM - Theory	TMSM - Theory	TMSM - Theory	TMSM - Theory	TMSM - Theory
15:00 – 19:00	TMSM - Pract	TMSM - Pract	TMSM - Pract	TMSM - Pract	TMSM - Pract

Master in Theoretical Chemistry and Computational Modelling GROUP 272

WEEK 4-08 DECEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
13:00 – 15:00			HOLIDAY (National)		HOLIDAY (National)
15:00 - 17:00					

WEEK 11-15 DECEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 12:00	Deadline to submit 2 homework		Exam MML online		
15:00 – 17:00					

WEEK 18-22 DECEMBER

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00					Deadline to submit 3 homework
11:00 – 12:00					

UNIVERSITY PAUL SABATIER TOULOUSE III - FRANCE

WEEK 22-26 JANUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TTC - Theory	TTC - Theory	TTC - Theory	TTC - Theory	TTC - Theory
15:00 – 19:00	TTC - Pract	TTC - Pract	TTC - Pract	TTC - Pract	TTC - Pract

WEEK 29 JANUARY TO 2 FEBRUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TTC - Theory	TTC - Theory	TTC - Theory	TTC - Theory	TTC - Theory
15:00 – 19:00	TTC - Pract	TTC - Pract	TTC - Pract	TTC - Pract	TTC - Pract

Master in Theoretical Chemistry and Computational Modelling GROUP 272

SECOND SEMESTER

Subjects

Code Name

31239 Master Thesis

Acronym

TFM

Coordinator

Alicia Palacios (UAM)

COLOUR CODE:

Lectures	No colour
Lectures outside the Faculty (another Centre, another University)	
Computer Room	
Evaluation	
Doubs/Exercises resolution	

WEEK 12-16 FEBRUARY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 12:00			EXAM TTCM online		

WEEK FEBRUARY 26 TO MARCH 01

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 – 11:00					Deadline to submit TTC homework

WEEK 3-7 JULY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TFM defense will take place this week. The date must be fixed yet.				

TFM evaluation deadline July 5, 2024.

WEEK 3-7 JULY

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 – 13:00	TFM defense will take place this week. The date must be fixed yet.				

Closing date for TFM records: July 11, 2024.

SUPPLEMENTARY ASSESSMENT

WEEK 03-06 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

WEEK 10-14 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

Master in Theoretical Chemistry and Computational Modelling GROUP 272

WEEK 17-21 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
					Deadline to submit retake exercises

WEEK 24-28 JUNE

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

Closing date for records, July 3, 2024.
TFM evaluation deadline: September 17, 2024.
Closing date for TFM records: September 19, 2024.