

UNIVERSIDAD DE CASTILLA - LA MANCHA **GUÍA DOCENTE**

Course: ECONOMETRIC METHODS AND MODELLING Type: CORE COURSE Degree: 316 - UNDERGRADUATE DEGREE IN ECONOMICS
Center: 5 - FACULTY OF ECONOMICS AND BUSINESS Year: 3

Main language: Spanish Use of additional languages:

ECTS credits: 6 Academic year: 2023-24 Group(s): 10 17 Duration: C2 nd language: English English Friendly: Y

ecturer: NURIA HUETE ALCOCER - Group(s): 10 17					
Building/Office			Email	Office hours	
Facultad de Ciencias Económicas y Empresariales de Albacete. Despacho 1.08	ECO .ESP. E INT.,ECONOMET. E Hª E INS.EC	926053550	nuria.huete@uclm.es		

2. Pre-Requisites

It is recommended to have passed the disciplines of Statistics and Mathematics. Also have completed the previous subject of Introduction to Econometrics

3. Justification in the curriculum, relation to other subjects and to the profession

The subject of Econometric Methods and Models falls under the third year of the Degree in Economics (fifth course of Double Degree in Economics-Law) and is taught in the second semester after having taken the subject of Introduction to Econometrics, in the first st

The main objective of the subject is to provide the fundamental tools for the professional construction of models taking into account the different specific approaches of econometrics in response to complex situations of reality generalization for the randomization of specific approaches of econometrics in response to complex situations of reality generalization for the randomization of specific approaches of econometrics in response to complex situations of reality generalization for the randomization of specific approaches of econometrics and approaches of econometric approaches of

In this way, not only a series of methods and models is disclosed, but also one must teach them to work with them in reality, for which they must be complemented with economic theory and with the necessary quantitative information, hence their relationship with the

4. Degree competences achieved in this course Course competences

Description

E03 Ability to find economic data and select relevant facts

E05 Ability to contribute to the establishment of strategies which will allow for the efficient allocation of resor

E06 Application of profesional criteria to the analysis of problems, based on the use of technical tools

F16

Identify relevant sources of financial information and its content, as well as the ability to derive the important information from the data, otherwise completely unknown to non-professionals.

Possession of the skills needed for continuous, self-led, independent learning, which will allow students to develop the learning abilities needed to undertake further study with a high degree of independence. G01

Develop oral and written communication skills in order to prepare reports, research projects and business projects and defend them before any commission or group of professionals (specialised or non-specialised) in more than one language, by collecting relevant evidence and interpreting it appropriately so as to reach conclusions.

Ability for the use and development of information and communication technology in the development of professional activity. G03

G04

G05 Capacity for teamwork, to lead, direct, plan and supervise multidisciplinary and multicultural teams in both national and international environments

5. Objectives or Learning Outcomes

Description

Train the student to work out problems in creative and innovative ways

Know the tools and methods for the quantitative analysis of the overall economy Enable student for autonomous work and learning, as well as for personal initiative

Train the student to search for information in order to analyze it, interpret is meaning, synthesize it and communicate it to others

Train the student to apply quantitative methods as support for decision making in the uncertain environment

6. Units / Contents Unit 1: GENERALIZED LINEAR MODEL

Unit 1.1 EXTENSIONS OF THE LINEAR REGRESSION MODEL
Unit 1.2 STRUCTURAL CHANGE

Unit 1.3 AUTOCORRELATION

Unit 1.4 HETEROCEDASTICITY

Unit 2: DYNAMIC MODELS

Unit 2.1 DISTRIBUTED LAGS
Unit 2.2 TIME SERIES MODELS: ARIMA

Unit 3: MULTI FOLIATION MODELS

Unit 3.1 SPECIFICATION, IDENTIFICATION AND ESTIMATION

Unit 3.2 FORECAST AND SIMULATION

Unit 4: SPECIFIC TOPICS
Unit 4.1 MACRO-ECONOMETRICS

Unit 4.2 PANEL DATA MODELS

Unit 4.3 APPLIED MODELS IN MACROECONOMICS

Unit 4.4 MANAGEMENT INFORMATION SYSTEMS

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	E03 E05 E06 E16 G01 G04	1.2	30	Υ	N	
Class Attendance (practical) [ON-SITE]	Cooperative / Collaborative Learning	E03 E06 E16 G01 G03 G04 G05	0.67	16.75	Y	N	
Class Attendance (theory) [ON-SITE]	Combination of methods	E03 E06 E16 G01 G04	0.13	3.25	Y	N	
Writing of reports or projects [OFF-SITE]	Group Work	E03 E05 E06 E16 G01 G03 G04 G05	1.2	30	Y	Υ	
Writing of reports or projects [OFF-SITE]	Case Studies	E05 E06 G01 G03 G04	0.56	14	Y	N	
Project or Topic Presentations [ON-SITE]	Combination of methods	G03 G05	0.04	1	Υ	N	
On-line Activities [OFF-SITE]	Self-study	G01 G03	0.24	6	Υ	N	
On-line debates and forums [OFF-SITE]	Combination of methods	E06 G01 G03	0.24	6	Y	N	
Study and Exam Preparation [OFF-SITE]	Combination of methods	E05 E06 E16 G01 G04	1.6	40	Y	N	
Group tutoring sessions [ON-SITE]	Guided or supervised work	E05 G03 G05	0.04	1	N	-	
Final test [ON-SITE]	Assessment tests	E05 E06 E16 G01 G03	0.08	2	Y	Υ	
Total:		6	150				
Total credits of in-class work: 2.16			Total class time hours: 54				
Total credits of out of class work: 3.84			Total hours of out of class work: 96				

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment)

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Theoretical papers assessment	20.00%		Team work on dynamization and / or multi-equation model. Attention will be paid not only to the content, but to the correct use of scientific forms and oral presentation.
Assessment of problem solving and/or case studies	10.00%		Individual work. Participation and positive result of the practical sessions, seminars, tutorials, It requires a minimum of participation (face-to-face and not face-to-face via the Moodle platform)
Progress Tests	10.00%	0.00%	A progress test similar to the final test will be made.
Final test	60.00%	100.00%	Final objective test divided into two blocks: theoretical and practical that must be overcome.
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject an ordinary and an extraordinary one (evaluating 100% of the competences).

Continuous assessment:

The evaluation is based on a continuous system in which the effort and progress of the student in the development of a series of competences is valued.

The progress tests will be made through questions and practical exercises that will be carried out at the mid-end of the semester.

Individual work through cases for delivery according to the established legal calendar. The participation and positive result of the practical sessions, seminars, tutorials will be valued.

Group work: in the evaluation of this work attention will be paid not only to the content, but to the correct use of scientific forms and oral presentation.

Final test, through the development of two blocks: theoretical questions and practical exercises that will be held on the day set for the final exam. To make the average, in the final exam it is necessary to obtain a minimum score of 4 points out of 10 in one of the parts and five in average.

Non-continuous evaluation:
Specific test for this case, of greater extension, evaluating all the competences and explicitly the one referred to the analysis of the economic reality with the application of econometric models whose weight in the test will be at least 20%. See section to of point 4.2. of the UCLM Student Regulations approved on May 23, 2022

Specifications for the resit/retake exam:

There is not

Specifications for the second resit / retake exam:

The evaluation will be carried out on a single written test, being necessary to pass the subject a minimum score of 5 out of 10.

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
NOT related to the synaposic officers	hours
Project or Topic Presentations [PRESENCIAL][Combination of methods]	1
On-line Activities [AUTÓNOMA][Self-study]	6
Group tutoring sessions [PRESENCIAL][Guided or supervised work]	1
Final test [PRESENCIAL][Assessment tests]	2
Unit 1 (de 4): GENERALIZED LINEAR MODEL	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	8
Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning]	3.75
Class Attendance (theory) [PRESENCIAL][Combination of methods]	1.25
Mitting of reports or projects (AUTONOMIA)(Group Work)	8
Writing of reports or projects [AUTÓNOMA][Case Studies]	3
On-line debates and forums [AUTÓNOMA][Combination of methods]	1
Study and Exam Preparation [AUTÓNOMA][Combination of methods]	12
Group 10:	
Initial date: 30-01-2023	End date: 05-03-2023
Group 17:	
Initial date: 30-01-2023	End date: 05-03-2023
Unit 2 (de 4): DYNAMIC MODELS	2110 0010100 00 2020
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	9
Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning]	6
Class Attendance (theory) [PRESENCIAL][Combination of methods]	1
Writing of reports or projects [AUTÓNOMA][Group Work]	12
Writing of reports or projects [AUTÓNOMA][Case Studies]	7
On-line debates and forums [AUTÓNOMA][Combination of methods]	2
Study and Exam Preparation (AUTONOM), Combination of methods	14
	14
Group 10:	
Initial date: 06-03-2023	End date: 09-04-2023
Group 17:	
Initial date: 06-03-2023	End date: 09-04-2023
Unit 3 (de 4): MULTI EQUATION MODELS	
Activities	Hours
Activities Class Attendance (theony) [REFSENCIALIII activise]	Hours 6
Class Attendance (theory) [PRESENCIAL][Lectures]	6
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning]	6 5
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods]	6 5 1
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTONOMA][Group Work]	6 5 1 7
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTÖNOMA][Group Work] Writing of reports or projects [AUTÖNOMA][Case Studies]	6 5 1 7 4
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTONOMA][Group Work]	6 5 1 7
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Case Studies]	6 5 1 7 4
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods]	6 5 1 7 4 2
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10:	6 5 1 7 4 2 8
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Witting of reports or projects [AUTÖNOMA][Group Work] Writing of reports or projects [AUTÖNOMA][Case Studies] On-line debates and forums [AUTÖNOMA][Combination of methods] Study and Exam Preparation [AUTÖNOMA][Combination of methods] Group 10: Initial date: 10-04-2023	6 5 1 7 4 2
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Combination of methods] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17:	6 5 1 7 4 2 8 End date: 30-04-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023	6 5 1 7 4 2 8
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTÖNOMA][Carb Work] Writing of reports or projects [AUTÖNOMA][Carb Studies] On-line debates and forums [AUTÖNOMA][Combination of methods] Study and Exam Preparation [AUTÖNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS	6 5 1 7 4 2 8 End date: 30-04-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTÓNOMA][Combination of methods] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities	6 5 1 7 4 2 8 End date: 30-04-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÔNOMA][Group Work] Writing of reports or projects [AUTÔNOMA][Case Studies] On-line debates and forums [AUTÔNOMA][Combination of methods] Study and Exam Preparation [AUTÔNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures]	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] (Class Attendance (theory) [PRESENCIAL][Combination of methods] Writing of reports or projects [AUTONOMA][Care Work] Writing of reports or projects [AUTONOMA][Care Studies] On-line debates and forums [AUTONOMA][Combination of methods] Study and Exam Preparation [AUTONOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning]	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures]	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023
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Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Witing of reports or projects [AUTÓNOMA][Combination of methods] Witing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Cambination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods]	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Grase Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10:	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023
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Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (tractical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Combination of methods] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 01-05-2023 Group 17: Initial date: 01-05-2023	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023 Hours 7 2 3 1 6
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (tractical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÖNOMA][Group Work] Writing of reports or projects [AUTÖNOMA][Case Studies] On-line debates and forums [AUTÖNOMA][Combination of methods] Study and Exam Preparation [AUTÖNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÖNOMA][Group Work] On-line debates and forums [AUTÖNOMA][Combination of methods] Study and Exam Preparation [AUTÖNOMA][Combination of methods] Group 10: Initial date: 01-05-2023	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023 Hours 7 2 3 1 6 End date: 14-05-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (tractical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Combination of methods] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 01-05-2023 Group 17: Initial date: 01-05-2023	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023 Hours 7 2 3 1 6 End date: 14-05-2023
Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Class Attendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Group Work] Writing of reports or projects [AUTÓNOMA][Case Studies] On-line debates and forums [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 10-04-2023 Group 17: Initial date: 10-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (theory) [PRESENCIAL][Lectures] Class Attendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTÓNOMA][Combination of methods] Study and Exam Preparation [AUTÓNOMA][Combination of methods] Group 10: Initial date: 01-05-2023 Group 17: Initial date: 01-05-2023 Group 17: Initial date: 01-05-2023 Group 17: Initial date: 01-05-2023 Global activity	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023 Hours 7 2 3 1 6 End date: 14-05-2023
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Class Altendance (theory) [PRESENCIAL][Lectures] Class Altendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Class Altendance (theory) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects [AUTONOMA][Coop Work] Writing of reports or projects [AUTONOMA][Coop Work] Writing of reports or projects [AUTONOMA][Coop Work] Writing of reports or projects [AUTONOMA][Combination of methods] Study and Exam Preparation [AUTONOMA][Combination of methods] Group 10: Initial date: 1:0-04-2023 Group 17: Initial date: 1:0-04-2023 Unit 4 (de 4): SPECIFIC TOPICS Activities Class Altendance (theory) [PRESENCIAL][Lectures] Class Altendance (practical) [PRESENCIAL][Lectures] Class Altendance (practical) [PRESENCIAL][Cooperative / Collaborative Learning] Writing of reports or projects EAUTONOMA][Combination of methods] Group 17: Initial date: 01-05-2023 Group	6 5 1 7 4 2 8 End date: 30-04-2023 End date: 30-04-2023 Hours 7 2 3 1 6 End date: 14-05-2023 End date: 14-05-2023 Abours 30 16.75 3.25 30 14 1 6 6 6 40

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