

Integrated Masters in Medicine

Internal Exam | Access for International Students

According to the terms of Article 4, paragraph 1., subparagraph b), of the Regulations for Access and Admission to the Integrated Masters in Medicine of the Católica Medical School

MATHEMATICS EXAM CONTENT MATRIX

2022-2023

The present matrix provides the assessment of specific knowledge for students who wish to apply for admission to the Integrated Masters in Medicine of the Católica Medical School.

General instructions:

- The exam is evaluated from 0 to 20 values. The minimum grade for approval is 9.5 values.
- The exam is based on 20 questions, 10 multiple-choice and 10 essay questions.
- Each multiple-choice question is marked out of 0.5 values and each essay question is marked out of 1.5 values.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The use of a scientific calculator is allowed.
- The exam lasts 120 minutes.

Exam structure:

Level of knowledge	Type of knowledge and skills	Quote
Specific knowledge of secondary level mathematics	Concepts of Probabilities and Combinatorial	5.00 values
	Geometry in plane and space	4.00 values
	Complex Numbers	3.00 values
	Study of Functions	8.00 values

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BIOLOGY EXAM CONTENT MATRIX

2022/2023

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General instructions:

- The exam is evaluated from 0 to 20 values. The minimum grade for approval is 9.5 values.
- The exam is based on 30 questions, 25 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 0.5 values and each essay question is marked out of 1.5 values.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The exam lasts 120 minutes.

Exam structure:

Type of knowledge and skills	Quote	
Diversity in the Biosphere	2.0 values	20.0 values
Transformation and use of energy by living beings	2.0 values	
Regulation in living beings	4.0 values	
Cell growth and renewal	2.0 values	
Reproduction	2.0 values	
Biological evolution	4.0 values	
Systematics of living beings	2.0 values	

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PHYSICS AND CHEMISTRY EXAM CONTENT MATRIX 2022/2023

The present matrix provides the assessment of specific knowledge for students who wish to apply for admission to the Integrated Masters in Medicine of the Católica Medical School.

General instructions:

- The exam is evaluated from 0 to 20 values. The minimum grade for approval is 9.5 values.
- The exam is based on 15 questions, 10 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 1.0 values and each essay question is marked out of 2.0 values.
- Only a blue or black pen may be used.
- The use of a broker is not allowed.
- All questions must be answered on the exam sheet.
- The use of a scientific calculator is allowed.
- The exam lasts 120 minutes.

Exam structure:

Type of knowledge and skills		Quote	
Chemistry	Atomic structure, chemical bonding and Lewis's notation	2.0 values	10,0 values
	Solutions and solution preparation	1.0 value	
	Chemical reactions, writing and correcting reactions	2.5 values	
	Acid-base reactions	3.5 values	
	Oxidation-reduction reactions	1.0 value	
Physics	Measurement and measurement units	1.0 value	10,0 values
	Waves and Electromagnetism	2.0 values	
	Sound	1.0 value	
	Energy and its conservation	3.5 values	
	Energy and movement	2.5 values	