

## 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

2024-2025

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 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.

### Structure of the exam

Level of knowledge	Type of knowledge and skills	Quote
Specific knowledge of secondary level mathematics	Concepts of Probabilities and Combinatorial	4,00 values
	Geometry in plane and space	2,50 values
	Complex Numbers	3,50 values
	Study of Functions	10,00 values

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## BIOLOGY EXAM CONTENT MATRIX

### 2024/2025

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 200 points. The minimum grade for approval is 100 points.
- The exam is based on 30 questions, 25 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 5.0 points and each essay question is marked out of 15.0 points.
- 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	20.0 points	200.0 points
Transformation and use of energy by living beings	20.0 points	
Regulation in living beings	40.0 points	
Cell growth and renewal	20.0 points	
Reproduction	20.0 points	
Biological evolution	40.0 points	
Systematics of living beings	20.0 points	

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# PHYSICS AND CHEMISTRY EXAM CONTENT MATRIX

## 2024/2025

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 200 points. The minimum grade for approval is 100 points.
- The exam is based on 15 questions, 10 multiple-choice and 5 essay questions.
- Each multiple-choice question is marked out of 10.0 points and each essay question is marked out of 20.0 points.
- 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	20.0 points	100.0 points
	Solutions and solution preparation	10.0 points	
	Chemical reactions, writing and correcting reactions	25.0 points	
	Acid-base reactions	35.0 points	
	Oxidation-reduction reactions	10.0 points	
Physics	Measurement and measurement units	10.0 points	100.0 points
	Waves and Electromagnetism	20.0 points	
	Sound	10.0 points	
	Energy and its conservation	35.0 points	
	Energy and movement	25.0 points	