



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2019/20**  
**SINGLE-CYCLE DEGREE**

**Medicine and Surgery - Policlinico Hospital Location (Classe LM-41)**  
**Enrolled from 2017/18 Academic Year to 2018/19 Academic Year**

### **HEADING**

<b>Degree classification - Denomination and code:</b>	LM-41 Medicine and surgery
<b>Degree title:</b>	Dottore Magistrale
<b>Length of course:</b>	6 years
<b>Total number of credits required to complete programme:</b>	360
<b>Years of course currently available:</b>	2nd , 3rd
<b>Access procedures:</b>	Cap on student, student selection based on entrance test
<b>Course code:</b>	D51

### **PERSONS/ROLES**

#### **Head of Interdepartmental Study Programme**

Prof. Giovanni Montini

#### **Degree Course website**

<http://cdlmcpc.ariel.ctu.unimi.it/v3/home/PreviewArea.aspx>

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### **EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM**

The University of Milan supports the international mobility of its students, offering them the opportunity to spend periods of study and training abroad, a unique opportunity to enrich their curriculum in an international context. To this end, the University adheres to the European Erasmus+ program within which agreements with over 300 universities in over 30 countries have been signed. Under this program, students can attend one of these universities in order to pursue training in substitution of part of the curriculum foreseen by the chosen study course, including internships at companies, research and training centers or other organizations, or even to prepare their thesis. The University also maintains relationships with several other prestigious foreign institutions offering similar opportunities even within higher study levels.

#### **Study and internships abroad**

Since 1987, the University of Milan was involved in Erasmus Programs aiming to develop the scientific and relational capabilities of its students inside cultural and learning contests different from the Italian one.

This opportunity is now provided for students of the Medicine and Surgery course (CdL-MC) which are attending their clinical triennium by offering from 3 to 12 months training periods (provided with grant) at different and famous European universities. Spain, Portugal, France, Belgium, Germany, Austria, Scandinavian countries, Poland, Hungary and Romania are the main destinations among students' applications.

During the learning period spent abroad, Erasmus+ Program plans for and allows students all the usual assignments of an university course such as lectures, training on the job, exams, research and laboratory practice. All these activities, arranged with the guest university by a Learning Agreement, are consistent with the Italian syllabus of the CdL-MC. At the Erasmus Desk of every Course Secretariat, students are supported in identifying foreign lectures and scientific assignments which could fully match those of the Italian course to warrant the achievement of the CFU required by the Italian curriculum.

Erasmus Placement Program enables students, by internship and laboratory tasks, to be active part of scientific partnership carried out by international research programs.

In addition, bilateral agreements with non-European universities, ruled by different procedures (such as the Clerkship Project of IFMSA - International Federation of Medical Students Associations), facilitate students' overseas exchange.

To adapt the final evaluation of the training experience achieved attending European universities learning activities, the University of Milan adopts the European Credit Transfer System (ECTS) and the conversion in thirtieths of foreign marks is carried out by a conversion table shared among the three Medicine and Surgery lines of our athenaeum. Under this regulation 20 ECTS (CFU) are acknowledged for a three (3) months period abroad, 30 ECTS for a 6 months stay and 60 ECTS for a period between 9 and 12 months.

### How to participate in Erasmus mobility programs

To gain access to mobility programs for study purposes, lasting 3-12 months, the enrolled students of the University of Milan must attend a public selection that starts usually around the month of February each year through the presentation of specific competition announcements, which contain information on available destinations, respective duration of the mobility, requirements and deadlines for submitting the online application. The selection, aimed at evaluating the proposed study abroad program of the candidate, knowledge of a foreign language, especially when this is a preferential requirement, and the motivations behind the request, is performed by specially constituted commissions. Each year, before the expiry of the competition announcements, the University organises information sessions for the specific study course or groups of study courses, in order to illustrate to students the opportunities and participation rules. To finance stays abroad under the Erasmus + program, the European Union assigns to the selected students a scholarship that - while not covering the full cost of living abroad - is a useful contribution for additional costs as travel costs or greater cost of living in the country of destination. The monthly amount of the communitarian scholarship is established annually at national level; additional contributions may be provided to students with disabilities.

In order to enable students in economic disadvantaged conditions to participate in Erasmus+ program, the University of Milan assigns further additional contributions; amount of this contributions and criteria for assigning them are established from year to year. The University of Milan promotes the linguistic preparation of students selected for mobility programs, organising every year intensive courses in the following languages: English, French, German and Spanish.

The University in order to facilitate the organisation of the stay abroad and to guide students in choosing their destination offers a specific support service.

More information in Italian are available on [www.unimi.it](http://www.unimi.it) > Studenti > Studiare all'estero > Erasmus+

For assistance please contact:

Ufficio Accordi e relazioni internazionali

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Desk opening hour: monday-friday 9 - 12

<b>1st COURSE YEAR (disactivated from academic year 2019/20) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
An Introduction to Medicine	4	(1) MED/01, (1) MED/02, (1) MED/43, (1) MED/42
Applied Physics	6	FIS/07
Biology and genetics	6	(4) BIO/11, (2) BIO/13
Chemistry and introductory biochemistry	7	BIO/10
Histology	7	BIO/17
Human Anatomy	18	BIO/16
Total compulsory credits	48	
<b>2nd COURSE YEAR Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Biochemistry	12	BIO/10
Biology and genetics	6	(2) MED/03, (4) BIO/13
General Pathology and Physiopathology	4	MED/04
Human Physiology	18	BIO/09
Immunology and Immunopathology	5	MED/04
Medical and Surgical Emergency - Clinical skills	1	MED/41
Medical English	3	L-LIN/12
Microbiology	6	MED/07
Total compulsory credits	55	
<b>3rd COURSE YEAR Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Clinical Pathology - Clinical Chemistry	4	(1) MED/07, (1) MED/05, (2) BIO/12
Clinical Pathology - Clinical skills	1	BIO/12

General Pathology and Physiopathology	8	MED/04
Head and Neck	3	(2) MED/31, (1) MED/32
Psychology, Health and Medicine	8	(1) MED/02, (3) M-PSI/01, (3) M-PSI/08, (1) MED/18
Radiology, Nuclear Medicine, and Radiation Therapy	1	MED/36
Statistics for Evidence Based Medicine	6	MED/01
Statistics for Evidence Based Medicine - Clinical skills	1	MED/01
Systems and Diseases I	19	(1) MED/03, (4) MED/14, (4) MED/10, (5) MED/11, (1) MED/09, (2) MED/08, (1) MED/24, (1) MED/18
Systems and Diseases I - Clinical skills	6	(1) MED/14, (1) MED/10, (1) MED/11, (2) MED/09, (1) MED/18
Total compulsory credits	57	

#### ***4th COURSE YEAR (available as of academic year 2020/21) Core/compulsory courses/activities common***

Learning activity	Ects	Sector
Head and Neck	4	(1) MED/29, (1) MED/28, (2) MED/30
Head and Neck - Clinical skills	2	(1) MED/31, (1) MED/30
Infectious Diseases	5	MED/17
Occupational Medicine	6	MED/44
Pharmacology	10	BIO/14
Radiology, Nuclear Medicine, and Radiation Therapy	4	MED/36
Radiology, Nuclear Medicine, and Radiation Therapy - Clinical Skills	2	MED/36
Systems and Diseases II	20	(1) MED/03, (4) MED/12, (4) MED/13, (4) MED/15, (1) MED/09, (3) MED/16, (2) MED/08, (1) MED/18
Systems and Diseases II - Clinical skills	7	(1) MED/12, (1) MED/13, (1) MED/15, (2) MED/09, (1) MED/16, (1) MED/18
Total compulsory credits	60	

#### ***5th COURSE YEAR (available as of academic year 2021/22) Core/compulsory courses/activities common***

Learning activity	Ects	Sector
Anatomic Pathology	6	MED/08
Clinical Psychiatry and Clinical Psychology	5	(1) M-PSI/08, (4) MED/25
Clinical Psychiatry and Clinical Psychology - Clinical skills	1	MED/25
Clinical training - Medicine	5	ND
Clinical training - Surgery	5	ND
Dermatology	3	MED/35
Dermatology - Clinical skills	2	MED/35
General Surgery	5	MED/18
General Surgery - Clinical skills	3	(1) MED/24, (2) MED/18
Internal Medicine	8	(1) MED/01, (5) MED/09, (2) MED/06
Internal Medicine - Clinical skills	6	(1) MED/10, (1) MED/11, (4) MED/09
Neurology	7	(1) MED/27, (5) MED/26, (1) MED/34
Neurology - Clinical skills	2	MED/26
Obstetrics and Gynecology	5	MED/40
Obstetrics and Gynecology - Clinical skills	2	MED/40
Preventive and Public Health Medicine	7	(1) SECS-P/06, (6) MED/42
Trauma and Orthopedic Surgery	5	(4) MED/33, (1) MED/34
Trauma and Orthopedic Surgery - Clinical skills	1	MED/33
Total compulsory credits	78	

#### ***6th COURSE YEAR (available as of academic year 2022/23) Core/compulsory courses/activities common***

Learning activity	Ects	Sector
Clinical training - Internal Medicine	5	ND
General Surgery	3	(1) MED/21, (2) MED/18
General Surgery - Clinical skills	3	MED/18
Internal Medicine	5	MED/09
Legal Medicine	5	MED/43

Medical and Surgical Emergency		4	(1) MED/09, (1) MED/18, (2) MED/41
Medical and Surgical Emergency - Clinical skills		3	(1) MED/11, (1) MED/33, (1) MED/41
Pediatrics		6	(1) MED/39, (5) MED/38
Pediatrics - Clinical skills		2	MED/38
	Total compulsory credits	36	
<b><i>Elective courses</i></b>			
<b><i>End of course requirements</i></b>			
Final Exam		18	NA
	Total compulsory credits	18	

## COURSE PROGRESSION REQUIREMENTS

*The course contains the following obligatory or advised prerequisites*

Learning activity	Prescribed foundation courses	O/S
General Pathology and Physiopathology	Biology and genetics	Core/compulsory
	Biochemistry	Core/compulsory
Anatomic Pathology	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Systems and Diseases II	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Human Anatomy	Histology	Core/compulsory
Medical and Surgical Emergency	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Pediatrics	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
General Surgery	Anatomic Pathology	Core/compulsory
	Pharmacology	Core/compulsory
	Radiology, Nuclear Medicine, and Radiation Therapy	Core/compulsory
	Systems and Diseases II	Core/compulsory
	Systems and Diseases I	Core/compulsory
Internal Medicine	Anatomic Pathology	Core/compulsory
	Pharmacology	Core/compulsory
	Radiology, Nuclear Medicine, and Radiation Therapy	Core/compulsory
	Systems and Diseases II	Core/compulsory
	Systems and Diseases I	Core/compulsory
Clinical Psychiatry and Clinical Psychology	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Neurology	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Biochemistry	Chemistry and introductory biochemistry	Core/compulsory
Trauma and Orthopedic Surgery	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Obstetrics and Gynecology	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Infectious Diseases	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Systems and Diseases I	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Immunology and Immunopathology	Biology and genetics	Core/compulsory
	Biochemistry	Core/compulsory
Dermatology	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory
Head and Neck	General Pathology and Physiopathology	Core/compulsory
	Human Physiology	Core/compulsory