



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2016/17**  
**SINGLE-CYCLE DEGREE**  
**International Medical School (Classe LM-41)**  
**Enrolled from**

### **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>	5th , 6th
<b>Access procedures:</b>	Cap on student, student selection based on entrance test
<b>Course code:</b>	D56

### **PERSONS/ROLES**

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

Prof. Raffaello Furlan

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### **CHARACTERISTICS OF DEGREE PROGRAMME**

#### **General and specific learning objectives**

The degree course consists of 360 credits overall, spread over a six-year programme, of which at least 60 must be acquired in training aimed at the acquisition of specific professional abilities.

Graduates in the degree courses in Medicine and Surgery must have: scientific bases and the necessary theoretical-practical preparation pursuant to Directive 75/363/CEE on the practice of the medical profession, and the necessary methodology and culture for the practice of continuing training. They also must show a level of professional, decisional and operative autonomy arising from a training path featuring a holistic approach to health problems of healthy and ill people, also in relation to the chemical-physical, biological and social environments surrounding them. Graduates are also required to master essential theoretical knowledge arising from basic sciences and apply it in the perspective of subsequent professional application, to show the ability to note and critically assess data relating to the state of health and illness of an individual, to know the physiopathology and organ and apparatus pathologies, interpreting them in the light of basic scientific knowledge from a clinical point of view and, globally, also extended to the sociocultural dimension and type. Also, the capability and experience, joined with self-assessment ability, of facing and solving the priority health problems responsibly from the preventive, diagnostic, prognostic, therapeutic and rehabilitative points of view are required. The knowledge of historic, epistemological and ethical dimensions of medicine, the ability to communicate with the patient and his/her relatives clearly and with humanity, the ability to co-operate with the different professional figures in the various group health activities, the ability to apply the principles of health economics in medical decisions and the ability to recognise health problems in the community and intervene in a competent manner are essential part of the student learning path.

#### **Professional profile and employment opportunities**

The professional profile of graduates is characterized by a sound scientific knowledge of diseases and diagnostic procedures, by a strong ethical structure, accountability, consciousness of own's limitations, understanding of cultural diversity, capability to solve urgent health problems, and respect for each individual, regardless of his/her religion, values, race, sex, or any other peculiarities. They have matured a strongly integrated approach to the patient, critically assessing not only the clinical aspects but also paying special attention to the relational, educational, social and ethical aspects involved in the prevention, diagnosis and treatment of illness, as well as the rehabilitation and recovery of the highest level of

psychophysical well-being possible.

Graduates in the Medicine and Surgery degree courses will carry out medical-surgical work in the different professional clinical, health and bio-medical roles and spheres.

The degree in Medicine and Surgery gives access to the State Examination for authorisation to practise as a M.D. Once the examination has been passed, access is given to registration in the relative professional order. In addition, the degree in Medicine and Surgery is a requirement for entry to the Postgraduate Medical Schools or the postgraduate courses for general practitioner.

<b>1st COURSE YEAR (disactivated from academic year 2013/14) Core/compulsory courses/activities common</b>				
<b>Distribution</b>	<b>Learning activity</b>	<b>Teaching units/modules</b>	<b>Ects</b>	<b>Sector</b>
	From Atoms to cells (tot. credits: 25)		12	BIO/10
			5	BIO/13
			2	MED/03
			3	BIO/11
			3	FIS/07
	Human Body (tot. credits: 20)		7	BIO/17
			13	BIO/16
	Introduction to Medical Profession (tot. credits: 4)		1	MED/09
			1	M-PED/01
			1	MED/44
			1	MED/02
Total compulsory credits			49	
<b>2nd COURSE YEAR (disactivated from academic year 2014/15) Core/compulsory courses/activities common</b>				
<b>Distribution</b>	<b>Learning activity</b>	<b>Teaching units/modules</b>	<b>Ects</b>	<b>Sector</b>
	Functions (tot. credits: 28)		16	BIO/09
			6	BIO/10
			3	BIO/16
			3	FIS/07
	Mechanisms of diseases (tot. credits: 22)		14	MED/04
			6	MED/07
			1	BIO/10
			1	BIO/11
Total compulsory credits			50	
<b>3rd COURSE YEAR (disactivated from academic year 2015/16) Core/compulsory courses/activities common</b>				
<b>Distribution</b>	<b>Learning activity</b>	<b>Teaching units/modules</b>	<b>Ects</b>	<b>Sector</b>
	Communication Skills (tot. credits: 7)		4	M-PSI/08
			2	M-PSI/01
			1	MED/09
	Biostatistic (clerkship)		2	MED/01
	Biostatistics		5	MED/01
	Laboratory Medicine (tot. credits: 4)		2	BIO/12
			1	MED/07
			1	MED/05
	Laboratory Medicine (clerkship)		1	BIO/12
	System Diseases 1 (tot. credits: 17)		5	MED/11
			4	MED/14
			2	BIO/14
			1	MED/08
			1	MED/09
			1	MED/18
			1	MED/36
			1	MED/04
			1	MED/03
	System diseases 1 (clerkship) (tot. credits: 9)		3	MED/14
			3	MED/11
			1	MED/24
			1	MED/22
			1	MED/23
	ICT for Medicine (tot. credits: 3)		1	MED/01
			2	INF/01
	System Diseases 2 (tot. credits: 16)		1	BIO/14
			1	MED/36
			4	MED/15
			1	MED/16

			1	MED/08
			1	MED/09
			1	MED/18
			4	MED/10
			1	MED/04
			1	BIO/13
	System diseases 2 (clerkship) (tot. credits: 7)		3	MED/10
			3	MED/15
			1	MED/21
		Total compulsory credits	71	

#### **4th COURSE YEAR (disactivated from academic year 2016/17) Core/compulsory courses/activities common**

Distribution	Learning activity	Teaching units/modules	Ects	Sector
	Dermatology		3	MED/35
	Dermatology (clerkship)		1	MED/35
	Head and Neck (tot. credits: 8)		1	BIO/09
			1	BIO/16
			2	MED/28
			2	MED/30
			2	MED/31
	Head and Neck (clerkship)		1	MED/31
	System Diseases 3 (tot. credits: 19)		1	BIO/14
			1	MED/36
			5	MED/12
			4	MED/13
			2	MED/08
			2	MED/09
			2	MED/18
			1	MED/04
			1	MED/03
	System diseases 3 (clerkship) (tot. credits: 6)		4	MED/12
			2	MED/13
	Infectious Diseases		5	MED/17
	Pathology		6	MED/08
	Pharmacology		6	BIO/14
	Radiology and radiotherapeutic		3	MED/36
	Radiology and radiotherapeutic (clerkship)		2	MED/36
		Total compulsory credits	60	

#### **5th COURSE YEAR Core/compulsory courses/activities common**

Distribution	Learning activity	Teaching units/modules	Ects	Sector
<i>annuale</i>	Patient management 5th year (clerkship) (tot. credits: 8)		5	MED/09
			3	MED/18
<i>annuale</i>	Patient Management 5th year (tot. credits: 14)		6	MED/09
			4	MED/18
			1	MED/19
			1	MED/01
			1	MED/34
			1	MED/45
<i>1 semestre</i>	Bone and Joint Diseases (clerkship) (tot. credits: 4)		2	MED/33
			2	MED/16
<i>1 semestre</i>	Bone and Joint Diseases (tot. credits: 7)		2	MED/16
			4	MED/33
			1	MED/34
<i>1 semestre</i>	Mental Health (tot. credits: 5)		4	MED/25
			1	M-PSI/08
<i>1 semestre</i>	Mental health (clerkship)		1	MED/25
<i>1 semestre</i>	Neurology (tot. credits: 8)		5	MED/26
			1	BIO/16
			1	BIO/09
			1	MED/27
<i>1 semestre</i>	Neurology (clerkship)		2	MED/26
<i>2 semestre</i>	Obstetrics and Gynecology		5	MED/40
<i>2 semestre</i>	Obstetrics and gynecology (clerkship)		2	MED/40
<i>2 semestre</i>	Pediatrics (tot. credits: 6)		5	MED/38
			1	MED/39
<i>2 semestre</i>	Pediatrics (clerkship)		3	MED/38
<i>2 semestre</i>	Public Health and environmental medicine (tot. credits: 12)		5	MED/44
			6	MED/42
			1	SECS-P/06
<i>2 semestre</i>	Public health and environmental medicine (clerkship)		1	MED/44
		Total compulsory credits	78	

#### **6th COURSE YEAR Core/compulsory courses/activities common**

Distribution	Learning activity	Teaching units/modules	Ects	Sector
<i>annuale</i>	Patient management 6th year (clerkship) (tot. credits: 4)		2	MED/09
			2	MED/18
<i>1 semestre</i>	Emergencies (tot. credits: 4)		1	MED/18
			1	MED/09

			2	MED/41
1 semestre	Emergencies (clerkship) (tot. credits: 6)		1	MED/26
			1	MED/27
			2	MED/41
			1	MED/11
			1	MED/33
1 semestre	Forensic Medicine		3	MED/43
1 semestre	Patient Management 6th year (tot. credits: 9)		5	MED/09
			4	MED/18
		Total compulsory credits	26	
<b>Activites chosen by the student</b>				
<b>Final learning activities</b>				
	Final examination		18	
		Total compulsory credits	18	

## COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
System Diseases 3	Mechanisms of diseases	Core/compulsory
System Diseases 2	Mechanisms of diseases	Core/compulsory
Emergencies	Pharmacology	Core/compulsory
	Pathology	Core/compulsory
	System Diseases 3	Core/compulsory
	System Diseases 2	Core/compulsory
	Neurology	Core/compulsory
	System Diseases 1	Core/compulsory
	Radiology and radiotherapeutic	Core/compulsory
System Diseases 1	Mechanisms of diseases	Core/compulsory
Mechanisms of diseases	Functions	Core/compulsory
Patient Management 6th year	Pharmacology	Core/compulsory
	Pathology	Core/compulsory
	System Diseases 3	Core/compulsory
	System Diseases 2	Core/compulsory
	Neurology	Core/compulsory
	System Diseases 1	Core/compulsory
	Radiology and radiotherapeutic	Core/compulsory
Functions	From Atoms to cells	Core/compulsory
	Human Body	Core/compulsory