



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2015/16**  
**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>	3rd
<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:

the scientific bases and the necessary theoretical-practical preparation to Directive 75/363/CEE on the practice of the medical profession.

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;

To know the essential theoretical knowledge arising from basic sciences and to apply in the perspective of subsequent professional application;

To be able to find and critically assess data relating to the state of health and illness of an individual;

To know the pathophysiology and organ and apparatus pathologies, interpreting them in the light of basic scientific knowledge from a clinical point of view;

To have the capability and the 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;

To have the knowledge of the historical, epistemological and ethical dimension of medicine;

To communicate with the patient and his/her relatives clearly and with humanity;

To co-operate with the different professional figures in the various group health activities;

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 parts of the student learning path.

#### **Acquired skills and competences**

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.

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

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 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>
	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 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>
	Functions (tot. credits: 28)		16	BIO/09
			6	BIO/10
			3	BIO/16
			3	FIS/07
	Mechanisms of diseases (tot. credits: 23)		14	MED/04
			6	MED/07
			1	BIO/10
			1	BIO/11
			1	MED/46
Total compulsory credits			51	
<b>3rd COURSE YEAR Core/compulsory courses/activities common</b>				
<b>Distribution</b>	<b>Learning activity</b>	<b>Teaching units/modules</b>	<b>Ects</b>	<b>Sector</b>
<i>annuale</i>	Signs,symptoms and communication (tot. credits: 8)		3	MED/09
			2	MED/18
			3	M-PSI/08
<i>annuale</i>	Signs, symptoms and communication (clerkship) (tot. credits: 3)		1	MED/18
			1	MED/09
			1	M-PSI/08
<i>1 semestre</i>	Biostatistics		6	MED/01
<i>1 semestre</i>	Head and Neck (tot. credits: 9)		1	BIO/09
			1	BIO/16
			2	MED/28
			2	MED/30
			2	MED/31
			1	MED/29
<i>1 semestre</i>	Head and Neck (clerkship) (tot. credits: 3)		1	MED/31
			1	MED/28
			1	MED/30
<i>1 semestre</i>	System Diseases 1 (tot. credits: 15)		4	MED/11
			4	MED/14
			2	MED/08
			1	MED/36
			1	MED/07
			1	MED/24
			1	MED/50
			1	BIO/12
<i>1 semestre</i>	System diseases 1 (clerkship) (tot. credits: 8)		2	MED/14
			2	MED/11
			1	MED/24
			1	MED/22
			1	MED/23
			1	BIO/12
<i>2 semestre</i>	ICT for Medicine		3	INF/01
<i>2 semestre</i>	System Diseases 2 (tot. credits: 13)		1	MED/36
			4	MED/15
			2	MED/08
			4	MED/10
			1	MED/07
			1	BIO/12

2 semestre	System diseases 2 (clerkship) (tot. credits: 5)		2	MED/10
			2	MED/15
			1	MED/21
Total compulsory credits			73	

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

Distribution	Learning activity	Teaching units/modules	Ects	Sector
1 semestre	Bone and Joint Diseases (tot. credits: 7)		2	MED/16
			4	MED/33
			1	MED/34
1 semestre	Dermatology		3	MED/35
1 semestre	Dermatology (clerkship)		1	MED/35
1 semestre	Pathology (clerkship)		1	MED/08
1 semestre	System Diseases 3 (tot. credits: 13)		1	MED/36
			4	MED/12
			4	MED/13
			2	MED/08
			1	MED/07
1 semestre	System diseases 3 (clerkship) (tot. credits: 5)		3	MED/12
			2	MED/13
2 semestre	Imaging		4	MED/36
2 semestre	Imaging (clerkship)		2	MED/36
2 semestre	Infectious Diseases		5	MED/17
2 semestre	Pathology		4	MED/08
2 semestre	Pharmacology		10	BIO/14
Total compulsory credits			55	

#### 5th COURSE YEAR (active from the academic year 2017/18) Core/compulsory courses/activities common

Distribution	Learning activity	Teaching units/modules	Ects	Sector
annuale	Patient management (clerkship) (tot. credits: 10)		5	MED/09
			5	MED/18
annuale	Patient Management 5th year (tot. credits: 18)		6	MED/09
			4	MED/18
			1	MED/19
			1	MED/34
			1	MED/23
			1	MED/45
			2	MED/03
			1	M-PSI/08
1 semestre	Bone and Joint Diseases (clerkship) (tot. credits: 5)		1	MED/05
			3	MED/33
1 semestre	Clinical neuroscience (tot. credits: 8)		2	MED/16
			5	MED/26
			1	BIO/16
			1	BIO/09
			1	MED/27
1 semestre	Clinical neuroscience (clerkship)		2	MED/26
1 semestre	Mental Health		4	MED/25
1 semestre	Mental health (clerkship)		1	MED/25
2 semestre	Clinical Oncology and Radiotherapy (tot. credits: 4)		3	MED/06
			1	MED/36
2 semestre	Clinical Oncology and Radiotherapy (clerkship) (tot. credits: 4)		3	MED/06
			1	MED/36
2 semestre	Obstetrics and Gynecology		5	MED/40
2 semestre	Obstetrics and gynecology (clerkship)		2	MED/40
2 semestre	Pediatrics (tot. credits: 6)		5	MED/38
			1	MED/39
2 semestre	Pediatrics (clerkship)		2	MED/38
2 semestre	Public Health and environmental medicine (tot. credits: 12)		5	MED/44
			6	MED/42
			1	SECS-P/06
2 semestre	Public health and environmental medicine (clerkship)		1	MED/44
Total compulsory credits			84	

#### 6th COURSE YEAR (active from the academic year 2018/19) Core/compulsory courses/activities common

Distribution	Learning activity	Teaching units/modules	Ects	Sector
1 semestre	Emergencies (tot. credits: 5)		2	MED/18
			1	MED/09
			2	MED/41
1 semestre	Emergencies (clerkship) (tot. credits: 5)		1	MED/41
			1	MED/26
			1	MED/27
			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			22	

**Activites chosen by the student**

By the end of 6 years students should acquire 8 credits in elective activities.

**Final learning activities**

Final examination		18
	Total compulsory credits	18

**COURSE PROGRESSION REQUIREMENTS**

Only those students who have successfully taken the examinations set out in the table below by the end of the session in September will be permitted to move from one year of the course to the next:

To enroll the III year the following exams must have been taken:

- Human body
- From Atoms to cells
- Functions

To enroll the IV year the following exams must have been taken:

- Mechanisms of diseases

Learning activity	Prescribed foundation courses	O/S
Functions	From Atoms to cells	Core/compulsory
	Human Body	Core/compulsory
Mechanisms of diseases	Functions	Core/compulsory
System Diseases 1	Mechanisms of diseases	Core/compulsory
System Diseases 2	Mechanisms of diseases	Core/compulsory
System Diseases 3	Mechanisms of diseases	Core/compulsory
Emergencies	System Diseases 1	Core/compulsory
	System Diseases 2	Core/compulsory
	System Diseases 3	Core/compulsory
	Clinical neuroscience	Core/compulsory
	Pathology	Core/compulsory
	Pharmacology	Core/compulsory
	Imaging	Core/compulsory