



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2019/20
SINGLE-CYCLE DEGREE
Medicine and Surgery - Sacco Hospital Location (Classe LM-41)
Enrolled until 2015/16 Academic Year

HEADING

| | |
|--|--|
| Degree classification - Denomination and code: | LM-41 Medicine and surgery |
| Degree title: | Dottore Magistrale |
| Length of course: | 6 years |
| Total number of credits required to complete programme: | 360 |
| Years of course currently available: | 5th , 6th |
| Access procedures: | Cap on student, student selection based on entrance test |
| Course code: | D52 |

PERSONS/ROLES

Head of Study Programme

Prof.ssa Manuela Nebuloni

Degree Course website

<http://www.dibic.unimi.it> - <http://cdlmcpv.ariel.ctu.unimi.it>

Via G.B. Grassi, 74 Phone 02/50319605-19609 Dal lunedì al venerdì dalle 9.00 alle 15.30 Email: segredid.vialba@unimi.it

<http://www.unimi.it/studenti/matricole/77598.htm>

Email: benvenuto.cestaro@unimi.it

Email: marco.elli@unimi.it

Email: piergiorgio.danelli@unimi.it

Email: irene.cetin@unimi.it

Email: maurizio.mariotti@unimi.it

Email: diego.foschi@unimi.it

Email: nicola.montano@unimi.it

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

The University of Milano - Polo Vialba traditionally favors international student rotations and supports the applicants for programs of international student exchanges. The number of applicants to the Erasmus and Erasmus Mundus programs is consistently on the increase. Each applicant has the opportunity to discuss his/her program with the Dean of Curriculum, before submitting the learning agreement to the Erasmus coordinator. This practice enables the applicants to take full advantage of the experience in a foreign institution. Votes awarded by Spanish universities are transcribed based on a specific conversion table available in the rule book of our institution. Reference for recognition and transcription of votes obtained in all other European countries is the ECTS conversion table, also available in the rule book.

Erasmus+ offers a wide choice of positions in Europe and most students select European countries: Spain and Portugal in particular. However, some enjoy rotations in universities in the United States, with rewarding experiences in clinical activities and research. Based on their positive reports, the University of Milano - Polo Vialba has recently joined the AAMC-GHLO, widening the perspectives for student exchanges. GHLO facilitates partnership with universities in the U.S.

and in all continents. Bilateral agreements grant credit and vote recognition.

Clinical clerkships and clinical research are the most profitable areas for students on an international rotation. Therefore, the suggested best time is from year three through six. Sixth year rotations are usually devoted to process the thesis that is discussed at the final examination.

Each year we host a number of visiting students, mostly from Germany and Eastern European countries. They like the savor of tradition in our medical school and the friendly attitude of Italian young people. They also enjoy mixing with our students in social events. It is of mutual benefit and foster better acceptance of different cultures and traditions. The difficulty to provide lodging at reasonable costs is a major obstacle to attract more foreign students. We presently concentrate on finding adequate solutions.

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 > Studenti > Studiare all'estero > Erasmus+

For assistance please contact:

Ufficio Accordi e relazioni internazionali

via Festa del Perdono 7 (ground floor)

Tel. 02 503 13501-12589-13495-13502

Fax 02 503 13503

E-mail: mobility.out@unimi.it

Desk opening hour: monday-friday 9 - 12

| 1st COURSE YEAR (disactivated from academic year 2016/17) Core/compulsory courses/activities common | | |
|--|-------------|--|
| Learning activity | Ects | Sector |
| An Introduction to Medicine | 4 | (1) MED/01, (1) MED/02, (1) MED/45, (1) MED/42 |
| Biology and genetics | 12 | (4) BIO/11, (2) MED/01, (6) BIO/13 |
| Chemistry and introductory biochemistry | 7 | BIO/10 |
| Histology | 7 | BIO/17 |
| Human anatomy | 13 | BIO/16 |
| Medical physics | 6 | FIS/07 |
| Radiology and Radiotherapy | 1 | MED/36 |
| Trauma and Orthopedic surgery | 2 | MED/33 |
| Total compulsory credits | | 52 |
| 2nd COURSE YEAR (disactivated from academic year 2017/18) Core/compulsory courses/activities common | | |
| Learning activity | Ects | Sector |
| Biochemistry | 12 | BIO/10 |
| Human anatomy | 5 | BIO/16 |
| Human physiology | 18 | BIO/09 |
| Immunology and Immunopathology | 5 | MED/04 |
| Medical English | 3 | L-LIN/12 |
| Microbiology | 6 | MED/07 |
| Neurology | 2 | MED/26 |
| Public health | 3 | MED/42 |
| Total compulsory credits | | 54 |

| 3rd COURSE YEAR (disactivated from academic year 2018/19) Core/compulsory courses/activities common | | |
|--|-------------|--|
| Learning activity | Ects | Sector |
| Biostatistics and Clinical epidemiology | 5 | MED/01 |
| Biostatistics and Clinical epidemiology - Skills | 2 | MED/01 |
| Laboratory medicine | 4 | (1) MED/05, (3) BIO/12 |
| Laboratory medicine - Clinical skills | 1 | BIO/12 |
| Molecular and cellular basis of diseases | 16 | (3) MED/03, (12) MED/04, (1) MED/06 |
| Patient-physician communication | 8 | (5) M-PSI/01, (1) MED/09, (2) M-PSI/08 |
| Systems and diseases 1 | 18 | (4) MED/14, (4) MED/15, (5) MED/11, (3) MED/09, (1) MED/18, (1) MED/24 |
| Systems and diseases 1 - Clinical skills | 8 | (1) MED/14, (1) MED/15, (1) MED/11, (4) MED/09, (1) MED/18 |
| Trauma and Orthopedic surgery | 3 | (2) MED/33, (1) MED/34 |
| Trauma and Orthopedic surgery - Clinical skills | 2 | MED/33 |
| Total compulsory credits | 67 | |
| 4th COURSE YEAR (disactivated from academic year 2019/20) Core/compulsory courses/activities common | | |
| Learning activity | Ects | Sector |
| Dermatology | 3 | MED/35 |
| Dermatology - Clinical skills | 2 | MED/35 |
| Infectious diseases | 5 | MED/17 |
| Infectious diseases - Clinical skills | 1 | MED/17 |
| Neurology | 5 | (1) MED/27, (3) MED/26, (1) MED/34 |
| Neurology - Clinical skills | 2 | MED/26 |
| Occupational medicine | 6 | MED/44 |
| Pharmacology | 10 | BIO/14 |
| Public health | 4 | (1) SECS-P/06, (3) MED/42 |
| Systems and diseases 2 | 16 | (4) MED/12, (4) MED/13, (4) MED/10, (3) MED/16, (1) MED/18 |
| Systems and diseases 2 - Clinical skills | 5 | (1) MED/12, (1) MED/13, (1) MED/10, (1) MED/16, (1) MED/18 |
| Total compulsory credits | 59 | |
| 5th COURSE YEAR Core/compulsory courses/activities common | | |
| Learning activity | Ects | Sector |
| Forensic medicine | 5 | MED/43 |
| General surgery | 4 | MED/18 |
| General surgery - Clinical skills | 7 | (1) MED/22, (1) MED/21, (1) MED/24, (3) MED/18, (1) MED/23 |
| Head and Neck | 7 | (1) MED/29, (1) MED/28, (2) MED/31, (2) MED/30, (1) MED/32 |
| Internal medicine | 7 | (4) MED/09, (1) M-EDF/01, (1) MED/17, (1) MED/06 |
| Obstetrics and Gynecology | 5 | MED/40 |
| Obstetrics and Gynecology - Clinical skills | 2 | MED/40 |
| Pathology | 10 | MED/08 |
| Pediatrics | 6 | (1) MED/39, (5) MED/38 |
| Pediatrics - Clinical skills | 2 | MED/38 |
| Psychiatry and Clinical Psychology | 5 | (1) M-PSI/08, (4) MED/25 |
| Psychiatry and Clinical Psychology - Clinical skills | 1 | MED/25 |
| Radiology and Radiotherapy | 4 | MED/36 |
| Radiology and Radiotherapy - Clinical skills | 2 | MED/36 |
| Total compulsory credits | 67 | |
| 6th COURSE YEAR Core/compulsory courses/activities common | | |

| Learning activity | | Ects | Sector |
|-------------------------------------|--|------|--|
| Emergency medicine | | 4 | (1) MED/09, (1) MED/18, (2) MED/41 |
| Emergency medicine | | 4 | (2) MED/09, (1) MED/18, (1) MED/41 |
| General surgery | | 4 | MED/18 |
| General surgery - Clinical skills | | 3 | MED/18 |
| Internal medicine | | 4 | MED/09 |
| Internal medicine - Clinical skills | | 16 | (1) MED/12, (1) MED/13, (1) MED/14, (1) MED/15, (1) MED/10, (1) MED/11, (9) MED/09, (1) MED/16 |
| Total compulsory credits | | 35 | |
| Elective courses | | | |
| | | | |
| End of course requirements | | | |
| 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 |
|--|--|-----------------|
| Biochemistry | Chemistry and introductory biochemistry | Core/compulsory |
| Immunology and Immunopathology | Biochemistry | Core/compulsory |
| | Biology and genetics | Core/compulsory |
| Infectious diseases | Molecular and cellular basis of diseases | Core/compulsory |
| Pediatrics | Molecular and cellular basis of diseases | Core/compulsory |
| Psychiatry and Clinical Psychology | Molecular and cellular basis of diseases | Core/compulsory |
| General surgery | Pharmacology | Core/compulsory |
| | Systems and diseases 2 | Core/compulsory |
| | Radiology and Radiotherapy | Core/compulsory |
| | Pathology | Core/compulsory |
| Obstetrics and Gynecology | Molecular and cellular basis of diseases | Core/compulsory |
| Emergency medicine | Molecular and cellular basis of diseases | Core/compulsory |
| Human physiology | Human anatomy | Core/compulsory |
| Dermatology | Molecular and cellular basis of diseases | Core/compulsory |
| Head and Neck | Molecular and cellular basis of diseases | Core/compulsory |
| Human anatomy | Histology | Core/compulsory |
| Molecular and cellular basis of diseases | Biochemistry | Core/compulsory |
| | Biology and genetics | Core/compulsory |
| Systems and diseases 1 | Human physiology | Core/compulsory |
| | Molecular and cellular basis of diseases | Core/compulsory |
| Systems and diseases 2 | Human physiology | Core/compulsory |
| | Molecular and cellular basis of diseases | Core/compulsory |
| Neurology | Molecular and cellular basis of diseases | Core/compulsory |
| Trauma and Orthopedic surgery | Molecular and cellular basis of diseases | Core/compulsory |
| Pathology | Molecular and cellular basis of diseases | Core/compulsory |
| Internal medicine | Pharmacology | Core/compulsory |
| | Systems and diseases 1 | Core/compulsory |
| | Systems and diseases 2 | Core/compulsory |
| | Radiology and Radiotherapy | Core/compulsory |
| | Pathology | Core/compulsory |