

Master Degree in Medicine and Surgery (LM 41) Study Plan Academic Year 2023/2024

The training activities (teachings, laboratories, internship, vocational training activities, final exam) are measured in credits that document the student's commitment in carrying out the activity itself. Each credit corresponds to 25 hours of overall commitment for the student, between participation in teaching activities and personal study. In the activity plan formative, shown below and visible on the Faculty of Medicine and Surgery website (www.med.univpm.it), the number is indicated of the credits attributed to each individual activity.

The Degree Course is organized into three types of training activities: basic activities; characterizing activities; related activities or integrative.

The courses included in the aforementioned activities are offered through ex cathedra lessons. To these is added, which one activities of your choice, a wide range of monographic courses and forums on topics related to the subjects covered. Among other activities is also including knowledge of a foreign language.

Lessons and laboratory activities take place at the Faculty of Medicine and Surgery; training activity vocational training, the Practical Evaluation Internship and the internship are carried out in the affiliated structures under the supervision of medical personnel identified as tutor/ referent.

The aim of the course is to integrate the classic medical training path with transdisciplinary skills common to the medical training and the biomedical engineering path and to train a doctor who is no only an expert user of modern technologies applied to the various field of clinical medicine and translational scientific – technological research, but also an active collaborator in the conception and design of new and advanced technologies in cooperation with graduates in the various engineering sectors. All this by aiming at an innovative medicine capable of exploiting tools and systems with high technological complexity (genomics, bioinformatics, big data, artificial intelligence remote technologies).

During the training course, students of M&S will also guaranteed the possibility of acquiring further knowledge and basic skills through the acquisition of 30 optional University Educational Credits, which exceed the 360 credits required for the Medicine and Surgery degree.

In this way, the course will allow the M&S students who decide to also acquire the additional 30 ECTS to request, at the end of the 6 years, the Bachelor degree in Biomedical Engineering.

## Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2023- 2024 - 1st YEAR (MU03 -21-23)

|                     | integrated / monodisciplinary course                          |              | TOT CFU | SSD     | Teaching module   |         | CFU SSD | TAF                | disciplinary area  |
|---------------------|---|--------------|---------|---------|---|---------|---------|--------------------|--|
|                     |   |              |         | BIO/13  | Applied Biology and Genetics                              | W001876 | 6       | Base               | General knowledges for the acquisition of professional competences               |
| ANNUAL              | Cell Morpholgy and Function                                   | W001875      | 12      | BIO/17  | Histology   | W001877 | 4       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                 |
|                     |   |              |         | BIO/16  | Human anatomy   | W001878 | 2       | Base               | Human morphology   |
|                     |   |              | 1       | 1       |   | 1       | 1       |                    |  |
| FIRST SEMESTER      | Fundamentals of Experimental Physics and                      | W001879      | 12      | FIS/01  | Experimental Physics                                      | W001880 | 6       | Affine-integrativa | related activities or integrative  |
|                     | Chemistry   |              |         | CHIM/07 | Chemical Basis of Technologies                            | W001881 | 6       | Affine-integrativa | related activities or integrative  |
|                     |   |              |         |         |   |         |         |                    |  |
| FIRST SEMESTER      | Mathematical Analysis and Geometry                            | W001882      | 12      | MAT/05  | Mathematical Analysis                                     | W001883 | 7       | Affine-integrativa | related activities or integrative  |
|                     |   |              |         | MAT/03  | Geometry  | W001884 | 5       | Affine-integrativa | related activities or integrative  |
| SECOND SEMESTER     | Human Anatomy I   | W001885      | 7       | BIO/16  | Human Anatomy   |         | 7       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                 |
|                     |   |              | 1       | 1       |   | 1       |         |                    |  |
|                     | Biochemistry, Pharmacology and Human                          | W001886      | 9       | BIO/10  | Biochemistry  | W001887 | 5       | Base               | Molecular structure, function and metabolism of molecules of biological interest |
| SECOND SEMESTER     | Physiology I  |              |         | BIO/09  | Human Physiology  | W001888 | 2       | Caratterizzante    | Interdisciplinary clinical education and evidence-based medicine                 |
|                     |   |              |         | BIO/14  | Pharmacological Basis of Therapeutics I                   | W001889 | 2       | Caratterizzante    | Pharmacology, toxicology and principles of medical therapy                       |
|                     | Professionalizing Activities - first year                     | W001989      | 2       |         | Professionalizing Activities-Medicine                     |         | 2       |                    | Further training activities (art. 10.5.d)  |
|                     |   |              |         |         |   |         |         |                    |  |
|                     |   |              |         |         | 1 course among those offered by Medicine and              |         |         |                    |  |
|                     | Elective Teaching Activity - first year (Medicine             | and Surgery) | 2       |         | Surgery   |         | 1       |                    | Other elective activities chosen by the student                                  |
|                     | Elective Teaching Activity - first year (Biom<br>Engineering) |              |         |         | 1 course among those offered by Biomedical<br>Engineering |         | 1       |                    | Other elective activities chosen by the student                                  |
|                     | Lingineering)   |              |         |         | Lingineering  | _       | 1       |                    | Other elective activities closen by the student                                  |
| OT CFU              |   |              | 56      |         |   |         | 56      |                    |  |
|                     |   |              |         |         |   |         |         |                    |  |
|                     |   |              |         |         |   |         |         |                    |  |
| umber of exams/year | r   |              | 5       |         |   |         |         |                    |  |

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## Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2023- 2024 - 2nd YEAR (MU03 -21-23)

|                    | integrated / manadissiplinany source  |                 | TOT CFU | SSD              | Teaching medule   |                    | CFU SSD | TAF                                | dissiplinary area   |
|--------------------|---|-----------------|---------|------------------|---|--------------------|---------|------------------------------------|---|
|                    | integrated / monodisciplinary course  |                 |         | SSD              | Teaching module   |                    | CFU SSD | TAF                                | disciplinary area   |
| FIRST SEMESTER     | Medical Statistics  | W001890         | 4       | MED/01           | Medical Statistics  |                    | 4       | Caratterizzanti                    | Scientific English and linguistic, computer and relational skills,<br>medical pedagogy, advanced and remote information and<br>communication technologies |
| FIRST SEMESTER     | Fundamentals of Biomechanics and<br>Biomechanics  | W001891         | 9       | ING-IND/13       |   | W001892            | 3       | Affini-integrative                 | related activities or integrative   |
|                    |   |                 |         | ING-IND/34       | Industrial Bioengineering   | W001893            | 6       | Base                               | Integrated biological functions of human organs and system  |
| FIRST SEMESTER     | Medical Informatics   | W001896         | 6       | ING-INF/06       | Electronic and Computer Bioengineering                                |                    | 6       | Base                               | Integrated biological functions of human organs and system  |
|                    | Microbiology Immunology and Techincal<br>Sciences   |                 |         | MED/07           | Microbiology and Clin Microbiology                                    | W001898            | 5       | Caratterizzante                    | General and molecular pathology, immunopatology, general pathophysiology, microbiology and parasitology   |
| ECOND SEMESTER     |   | W001897         | 11      | MED/04           | General Pathology (Immunology)  | W001899            | 2       | Caratterizzante                    | General and molecular pathology, immunopatology, general pathophysiology  |
|                    |   |                 |         | MED/46<br>BIO/17 | Lab Techinical Science and Medicine<br>Histology (Tissue Engeneering) | W001900<br>W001901 | 2       | Caratterizzante<br>Caratterizzante | Interdisciplinary clinical education and evidence-based medic<br>Interdisciplinary clinical education and evidence-based medic                            |
| ANNUAL             | Human Anatomy II  | W001902         | 6       | BIO/16           | Human Anatomy II  |                    | 6       | Caratterizzante                    | Interdisciplinary clinical education and evidence-based medic   |
|                    |   |                 | -       |                  |   |                    |         |                                    |   |
| ANNUAL             | Biochemistry and Human Physiology II  | W001903         | 14      | BIO/10           | Biochemistry  | W001904            | 5       | Base                               | Molecular structure, function and metabolism of molecules o<br>biological interest  |
|                    |   |                 |         | BIO/09           | Human Physiology  | W001905            | 9       | Caratterizzante                    | Interdisciplinary clinical education and evidence-based medic   |
|                    | Professionalizing Activities -second year   | W001990         | 2       |                  | Professionalizing Activities-Medicine and Surgery                     |                    | 2       |                                    | Further training activities (art. 10.5.d)   |
|                    |   |                 |         |                  | 1 course among those offered by Medicine and                          |                    |         |                                    |   |
|                    | Elective Teaching Activity -second year (Medicin<br>Elective Teaching Activity -second year (Biom | ne and Surgery) | 2       |                  | Surgery<br>1 course among those offered by Biomedical                 |                    | 1       |                                    | Other elective activities chosen by the student   |
|                    | Elective reaching Activity -second year (Blom   |                 |         |                  | Engineering   | 1                  |         |                                    | Other elective activities chosen by the student   |
| T CFU              | TOT CFU   |                 | 54      | ]                |   |                    | 54      |                                    |   |
|                    |   |                 |         | 1                |   |                    |         |                                    |   |
| mber of exams/year | r   |                 | 6       | 5                |   |                    |         |                                    |   |

## OPTIONAL CREDITS SUMMARY (CFU) TO GET AN ADDTIONAL BACHELOR DEGREE IN BIOMEDICAL ENGENEERING

| Semester       | integrated / monodisciplinary course |            | SSD Teaching module            |   | TAF                  | disciplinary area   |  |
|----------------|--------------------------------------|------------|--------------------------------|---|----------------------|---|--|
| FIRST SEMESTER | Fundamentals of Computer Sciences    | ING-INF/05 | Information Processing Systems | 6 | Base                 | Integrated biological functions of human organs and systems |  |
| FIRST SEMESTER | Electromagnetic Fields for Medicine  | ING-INF/02 | Basis of Electromagnetism      | 6 | Affini e Integrative | Affini e Integrative  |  |

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## Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2023- 2024 - 3rd YEAR (MU03 -21-23)

|                 | integrated / monodisciplinary course             |                 | TOT CFU | SSD        | Teaching module   |                 | CFU SSD | TAF                | disciplinary area   |
|-----------------|--|-----------------|---------|------------|---|-----------------|---------|--------------------|---|
|                 |  |                 |         |            |   |                 |         |                    |   |
|                 |  |                 |         | ING-INF/06 | Electronic and Computer Bioengineering                  | W001907         | 7       | Base               | Integrated biological functions of human organs and system    |
| FIRST SEMESTER  | Applied Physics in Bioengeneering                | W001906         | 14      | ING-INF/01 | Electronics   | W001908         | 3       | Affini-integrative | related activities or integrative                             |
| THOTSEWESTER    |  |                 |         | FIS/07     |   |                 |         |                    | General knowledges for the acquisition of professional        |
|                 |  |                 |         | 113/07     | Applied Physics   | W001909         | 4       | Base               | competences   |
|                 |  |                 |         |            |   |                 | 1       | 1                  |   |
|                 |  |                 |         | MED/04     |   |                 |         |                    | General and molecular pathology, immunopatology, general      |
| ANNUAL          | Pathology  | W001917         | 12      |            | General Pathology                                       | W001918         | 10      | Caratterizzante    | pathophysiology, microbiology and parasitology                |
|                 |  |                 |         | MED/05     | Clinical Pathology                                      | W001919         | 2       | Caratterizzante    | Laboratory medicine and integrated diagnostics                |
|                 |  |                 |         |            |   |                 | -       |                    |   |
| SECOND SEMESTER | Medical and Surgical Semeiotics and<br>Pathology | 11/001030       | 6       | MED/09     | Internal Medicine (Semeiotics)                          | W001921         | 2       | Caratterizzante    | General medical and surgical clinic                           |
|                 |  | W001920         | 6       | MED/18     | General Surgery and Surgical Semeiotics                 | W001922         | 2       | Caratterizzante    | Pathological disciplines and clinical anatomical correlations |
|                 |  |                 |         | MED/09     | Internal Medicine (Medical Pathophysiology)             | W001923         | 2       | Caratterizzante    | General medical and surgical clinic                           |
|                 |  |                 |         |            |   |                 |         |                    |   |
|                 | Professionalizing Activities -third year         | W001991         | 9       |            | Professionalizing Activities-Medicine and Surgery and B | iomedical Enger | 9       |                    | Further training activities (art. 10.5.d)                     |
|                 | Elective Teaching Activity -third year (Medicin  | ne and Surgery) |         |            |   |                 | 0       |                    | Other elective activities chosen by the student               |
|                 | Elective Teaching Activity -third year (Biom     | •               | 1       |            | 1 course among those offered by Biomedical              |                 |         |                    |   |
|                 | Engineering)                                     |                 |         |            | Engineering   |                 |         |                    | Other elective activities chosen by the student               |
|                 |  |                 |         |            |   |                 |         |                    |   |
| OT CFU          |  |                 | 42      |            |   |                 | 42      |                    |   |
|                 |  |                 |         | _          |   |                 |         |                    |   |
| umber of        |  |                 |         |            |   |                 |         |                    |   |
|                 |  |                 | -       |            |   |                 |         |                    |   |

| Semester       | integrated / monodisciplinary course                  |            | Teaching module               | CFU | TAF                  | disciplinary area                 |  |  |  |  |  |  |  |
|----------------|---|------------|-------------------------------|-----|----------------------|-----------------------------------|--|--|--|--|--|--|--|
| FIRST SEMESTER | Fundamentals of Electrical and Electronic Engineering | ING-IND/31 | Electrical Engineering        | 6   | Affini e Integrative | related activities or integrative |  |  |  |  |  |  |  |
|                | randamentals of Electrical and Electronic Engineering | ING-INF/01 | Electronics                   | 3   | Affini e Integrative | related activities or integrative |  |  |  |  |  |  |  |
|                |   | ING-INF/03 | Telecommunications            | 3   | Affini e Integrative | related activities or integrative |  |  |  |  |  |  |  |
| FIRST SEMESTER | Fundamentals of Mechanical Engineering                | ING-INF/04 | Automatics                    | 3   | Affini e Integrative | related activities or integrative |  |  |  |  |  |  |  |
|                |   | ING-IND/13 | Mechanics Applied to Machines | 3   | Affini e Integrative | related activities or integrative |  |  |  |  |  |  |  |

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III YEAR

## Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2023- 2024 - 4TH YEAR (MU03 -21-23)

| IV YEAR   |   |                  |         |            |   |                       |         |                 |   |
|---|---|------------------|---------|------------|---|-----------------------|---------|-----------------|---|
|   | integrated / monodisciplinary course  |                  | TOT CFU | SSD        | Teaching module   |                       | CFU SSD | TAF             | disciplinary area   |
|   | 1   |                  | 1       | 1          | I I   |                       |         |                 | I.  |
|   |   |                  |         | MED/11     | Cardiovascular Diseases                                   | W001925               | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics    |
|   |   |                  |         | MED/23     | Cardiac Surgery   | W001926               | 2       | Caratterizzante | Interdisciplinary clinical education and evidence-based medicine                                |
| FIRST SEMESTER  | Organ System Diseases 1: Blood, Heart<br>and Lung   | W001924          | 13      | MED/10     | Respiratory System Diseases                               | W001927               | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics    |
|   |   |                  |         | MED/15     | Blood Diseases  | W001928               | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics    |
|   |   |                  |         | MED/08     | Pathological Anatomy                                      | W001929               | 2       | Caratterizzante | Lab medicine and integrated diagnostics   |
|   |   |                  | -       |            |   |                       |         | -               |   |
| FIRST SEMESTER  | Organ System Diseases 2: Kidney and   |                  |         | MED/14     | Nephrology  | W001931               | 2       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics    |
|   | Organ System Diseases 2: Kidney and<br>Genitourinary System                                     | W001930          | 6       | MED/24     | Urology   | W001932               | 2       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and<br>medical-surgical systematics |
|   |   |                  |         | MED/08     | Pathological Anatomy                                      | W001933               | 2       | Caratterizzante | Laboratory medicine and integrated diagnostics  |
|   |   |                  |         |            |   |                       |         | -               |   |
| FIRST SEMESTER  | Mathematical Models in Medicine   | W001934          | 5       | ING-INF/06 | Electronic and Computer Bioengineering                    |                       | 5       | Base            | Integrated biological functions of human organs and systems                                     |
|   | 1   |                  |         | 1          |   |                       |         |                 |   |
| ANNUAL  | Publich health  | W001935          | 3       | MED/42     | Hygiene, Public Health and Community<br>Medicine          |                       | 3       | Caratterizzante | Human sciences, health policies and health management   |
|   |   |                  |         |            |   |                       | -       | n               |   |
| ANNUAL  | Pharmacology  | W001936          | 6       | BIO/14     | Pharmacological Basis of Therapeutics II                  |                       | 6       | Caratterizzante | Pharmacology, toxicology and principles of medical therapy                                      |
| SECOND SEMESTER   | Data Science for Bioengineering   | W001937          | 6       | ING-INF/05 | Information Processing Systems                            |                       | 6       | Base            | Integrated biological functions of human organs and systems                                     |
|   |   |                  | 1       | T          |   |                       | -       | r               | Dethership is a string weather data and string to several and                                   |
|   |   |                  |         | MED/12     | Gastroenterology  | W001939               | 3       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and medical-surgical systematics    |
|   |   | W001938          |         | MED/13     | Endocrinology   | W001935               | 3       | Caratterizzante | Physical activity and well-being medicine   |
| SECOND SEMESTER   | Organ System Diseases 3: Endocrine and<br>Gastrointestinal Systems, Nutrition and<br>Metabolism |                  | 12      | MED/18     | General Surgery and New Techiniques in                    |                       | ,       | Caratterizzante | Pathophysiology, clinical methodology, clinical preparatory and                                 |
|   | Wetabolism  |                  |         |            | Surgery: Minimally Invasive and Robotic Surgery           | W001941               | 2       | Caratterizzante | medical-surgical systematics  |
|   |   |                  |         | MED/09     | Internal Medicine   | W001942               | 2       | Caratterizzante | Interdisciplinary clinical education and evidence-based medicine                                |
|   |   |                  |         | MED/08     | Pathological Anatomy                                      | W001943               | 2       | Caratterizzante | Laboratory medicine and integrated diagnostics  |
|   | Professionalizing Activities -fourth year   | W001992          | 14      |            | Professionalizing Activities-Medicine and Surgery a       | and Biomedical Engene | 14      |                 | Further training activities (art. 10.5.d)   |
|   |   |                  |         |            |   |                       |         |                 |   |
|   |   |                  |         |            | 1 course among those offered by Medicine and              |                       |         |                 |   |
|   | Elective Teaching Activity -fourth year (Me   | dicine and Surge | r 2     |            | Surgery   |                       | 1       |                 | Other elective activities chosen by the student   |
| Elective Teaching Activity -fourth year<br>(Biom Engineering) |   |                  |         |            | 1 course among those offered by Biomedical<br>Engineering |                       | 1       |                 | Other elective activities chosen by the student   |
| TOT CFU   |   |                  | 67      | 1          |   |                       | 67      |                 |   |
|   |   |                  |         | -          |   |                       |         |                 |   |
|   |   |                  |         |            |   |                       |         |                 |   |
| mber of exams/yea   | *   |                  | 7       |            |   |                       |         |                 |   |

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|                  | integrated / monodisciplinary course                           |         | TOT CFU | SSD        | Teaching module   |                 | CFU SSD | TAF             | disciplinary area   |
|------------------|--|---------|---------|------------|---|-----------------|---------|-----------------|---|
|                  | · · ·  |         |         |            | ·   |                 |         | •               | · · · · · · · · · · · · · · · · · · ·                               |
|                  |  |         |         | MED/06     | Oncology  | W001945         | 3       | Caratterizzante | Interdisciplinary clinical education and<br>evidence-based medicine |
| FIRST SEMESTER   | Oncology, Genetics and Internal Medicine                       | W001944 | 8       | MED/03     | Genetic Medicine  | W001946         | 3       | Caratterizzante | Interdisciplinary clinical education and<br>evidence-based medicine |
|                  |  |         |         | MED/09     | Internal Medicine (Immune System)                             | W001947         | 2       | Caratterizzante | General medical-surgical clinic                                     |
|                  |  |         |         |            |   |                 |         | •               |   |
|                  |  |         |         | MED/26     | Neurology   | W001949         | 3       | Caratterizzante | Neurological disciplines  |
| FIRST SEMESTER   | Clinical Neurosciences and Mental Health                       | W001948 | 9       | MED/37     | Neuroradiology  | W001950         | 2       | Caratterizzante | Neurological disciplines  |
| FIRST SEIVIESTER | Clinical Neurosciences and Mental Health                       | W001948 |         | MED/27     | Neurosurgery  | W001951         | 2       | Caratterizzante | Neurological disciplines  |
|                  |  |         |         | MED/25     | Psychiatry  | W001952         | 2       | Caratterizzante | Psych Clinic and Behavioral Disciplines                             |
|                  |  |         |         |            |   |                 |         |                 |   |
|                  |  |         |         | MED/36     | Radiology and Interventional Radiology                        | W001954         | 6       | Caratterizzante | Radiological and radiotherapy discipline                            |
|                  |  |         |         | MED /20    | Nuclear Medicine, Radiotherapy, Radiobiology, Radio           | W001055         |         |                 |   |
| FIRST SEMESTER   | New Radiology Diagnostic and Therapeutic Modality              | W001953 | 13      | MED/36     | protection  | W001955         | 3       | Caratterizzante | Radiological and radiotherapy discipline                            |
|                  |  |         |         | ING-INF/06 |   | W001956         |         |                 | Integrated biological functions of huma                             |
|                  |  |         |         | ING-INF/06 | Electronic and Computer Bioengineering                        | W001956         | 4       | Base            | organs and systems  |
|                  |  |         |         |            |   |                 |         |                 |   |
| ECOND SEMESTER   |  |         |         | MED/28     | Oral Diseases   | W001958         | 2       | Caratterizzante | Medical-surgical clinic of the sense orga                           |
|                  | Head and Neck Diseases   | W001957 | 6       | MED/30     | Ophtalmology  | W001959         | 2       | Caratterizzante | Medical-surgical clinic of the sense org                            |
|                  |  |         |         | MED/31     | ORL   | W001960         | 2       | Caratterizzante | Medical-surgical clinic of the sense orga                           |
|                  |  |         |         |            |   |                 |         |                 |   |
|                  |  | W001961 | 8       | MED/17     | Infectious Diseases   | W001962         | 3       | Caratterizzante | Comunity medicine   |
| ECOND SEMESTER   | Dermatology, Plastic Surgery and Infectious Diseases           |         |         | MED/35     | Cutaneous and Venereal Diseases                               | W001963         | 3       | Caratterizzante | Clinic of medical-surgical specialties                              |
|                  |  |         |         | MED/19     | Plastic Surgery   | W001964         | 2       | Caratterizzante | Clinic of medical-surgical specialties                              |
|                  |  |         |         |            |   |                 |         |                 |   |
|                  |  |         |         | MED/33     |   | W001966         |         |                 | Medical-surgical clinic of the musculos                             |
|                  |  |         |         | WIED/33    | Muscoloskeletal System Diseases                               | W001900         | 3       | Caratterizzante | system  |
|                  |  |         |         | MED/34     |   | W001967         |         |                 | Medical-surgical clinic of the musculos                             |
| COND SEMESTER    | Bone and Joint and Technologies in Rehabilitation              | W001965 | 11      |            | Physical and Rehabilitation Medicine                          |                 | 2       | Caratterizzante | system  |
|                  |  |         |         | MED/16     | Rheumatology  | W001968         | 2       | Caratterizzante | Clinic of medical-surgical specialties                              |
|                  |  |         |         | ING-IND/34 | Industrial Bioengineering                                     | W001969         | 4       | Base            | Integrated biological functions of hum<br>organs and systems        |
|                  | Professionalizing Activities -fifth year                       | W001993 | 18      |            | Professionalizing Activities-Medicine and Surgery and Biomedi | cal Engeneering | 18      |                 | Further training activities (art. 10.5.d)                           |
|                  |  |         |         |            |   | 88              |         |                 |   |
|                  |  |         |         |            |   |                 |         |                 | Other elective activities chosen by the                             |
|                  | Elective Teaching Activity - fifth year (medicine and surgery) |         |         |            | 1 course among those offered by Medicine and Surgery          |                 | 1       |                 | student   |
|                  | Elective Teaching Activity - fifth year (biomedical            |         | 2       |            |   |                 |         |                 | Other elective activities chosen by the                             |
|                  | engineering)   |         |         |            | 1 course among those offered by Biomedical Engineering        |                 | 1       |                 | student   |
| TOT CFU          |  |         | 75      |            |   |                 | 75      |                 |   |
|                  |  |         |         | _          |   |                 |         |                 |   |
| mber of          |  |         |         |            |   |                 |         |                 |   |
|                  |  |         | -       |            |   |                 |         |                 |   |

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Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2023- 2024 - 5TH YEAR (MU03 -21-23)

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exams/year

# Master Degree in Medicine and Surgery - Registered Students in the Academic Year 2023- 2024 - 6TH YEAR (MU03 -21-23)

|                 | integrated / monodisciplinary course                        |           | TOT CFU | SSD        | Teaching module                                     |                    | CFU SSD | TAF              | disciplinary area  |
|-----------------|---|-----------|---------|------------|---|--------------------|---------|------------------|--|
|                 |   |           |         | •          |   |                    |         | •                |  |
|                 |   |           |         | MED/09     | Clinical Medicine and Medical and Molecular Therapy | W001971            | 5       | Caratterizzante  | General medical-surgical clinic  |
|                 |   |           |         | MED/18     | Clinical Surgery                                    | W001972            | 3       | Caratterizzante  | General medical-surgical clinic  |
| FIRST SEMESTER  | Patient Management  | W001970   | 12      | BIO/12     | Clin Biochemistry and Clin Molecular Biology        | W001973            | 2       | Caratterizzante  | Laboratory and diagnostic-integrate medicine                           |
|                 |   |           |         | MED/05     | Clinical Pathology                                  | W001974            | 2       | Caratterizzante  | Lab and diagnostic-integrated medi                                     |
|                 |   |           | 1       |            |   |                    |         | 1                |  |
|                 |   |           |         | MED/38     | Pediatric Medicine                                  | W001976            | 3       | Caratterizzante  | Pediatric disciplines  |
|                 | Pediatrics, Ostetrics and Gynecology                        | W001975   |         | MED/20     | Pediatric Surgery                                   | W001977            | 2       | Caratterizzante  | Pediatric disciplines  |
| FIRST SEMIESTER |   |           | 8       | MED/40     |   | W001978            |         |                  | Obstetric-gynecological disciplines, reproductive medicine and medical |
|                 |   |           |         |            | Gynaecology and Obstetrics                          |                    | 3       | Caratterizzante  | sexology   |
|                 |   |           | 1       | MED/09     | Geriatrics  | W001980            | 3       | Caratterizzante  | General medical-surgical clinic  |
|                 |   | W001979   | 9       |            |   | W001980<br>W001981 | -       |                  |  |
| IRST SEMESTER   | Healthcare Robotics and Active Ageing                       |           |         | MED/18     | Clinical Geriatric Surgery                          | W001981            | 2       | Caratterizzante  | General medical-surgical clinic<br>Integrated biological functions of  |
|                 |   |           |         | ING-INF/06 | Electronic and Computer Bioengineering              | W001982            |         | Pasa             | human organs and systems   |
|                 |   |           |         |            | Lieuronic and computer bioengineering               |                    |         | Dase             | numan organs and systems   |
|                 |   |           |         | MED/41     | Anesthesiology                                      | W001984            | 3       | Caratterizzante  | Medical-surgical emergencies   |
|                 |   |           |         | MED/09     | Medical Emergencies                                 | W001985            | 2       | Caratterizzante  | Medical-surgical emergencies   |
|                 |   | s W001983 | 13      | MED/18     | Surgical Emergencies                                | W001986            | 2       | Caratterizzante  | Medical-surgical emergencies   |
|                 |   |           |         | MED/43     | Sui Biour Erner Berrores                            |                    | -       | Caracterizzante  | Medicine and public health and wo                                      |
| IRST SEMESTER   | Emergency and Life Support and Legal Medicine and Bioethics |           |         |            |   | W001987            |         |                  | environments and medico-legal  |
|                 |   |           |         |            | Forensic Medicine                                   |                    | 4       | Caratterizzante  | sciences   |
|                 |   |           |         |            |   |                    |         |                  | Medicine and public health and wo                                      |
|                 |   |           |         | MED/44     |   | W001988            |         |                  | environments and medico-legal  |
|                 |   |           |         |            | Occupational Medicine                               |                    | 2       | Caratterizzante  | sciences   |
|                 |   |           |         |            |   |                    |         |                  |  |
|                 | Professionalizing Activities -sixth year                    | W001994   | 15      |            | Professionalizing Activities-Medicine and Surgery   |                    | 15      |                  | Further training activities (art. 10.5.                                |
|                 |   |           | 2       | L-LIN/12   |   |                    |         |                  | Final test and foreign language (art.                                  |
|                 | Foreign Language  | W002053   | 2       | E-LIN/12   | Foreign Language                                    | W002053            | 2       | other activities | 10.5.c)  |
|                 | Final test  | W001995   | 7       |            |   |                    | 7       | other activities | Final test and foreign language (art.<br>10.5.c)                       |
|                 |   |           |         |            |   |                    |         |                  | -  |
| OT CFU          |   |           | 66      | ]          |   |                    | 66      |                  |  |
|                 |   |           |         |            |   |                    |         |                  |  |

Dispensed by Engeneering Faculty UNIVPM

|          |                         |                | Total Exams           |                            |                     |                   |                  |         |  |                               |
|----------|-------------------------|----------------|-----------------------|----------------------------|---------------------|-------------------|------------------|---------|--|-------------------------------|
|          |                         | Characterizing | Related activities or |                            | Professionalizing   |                   |                  |         |  |                               |
|          | <b>Basic Activities</b> | Activities     | integrative           | Elective Teaching Activity | Activities          | Final Test        | Foreign Language | TOT CFU |  |                               |
| I YEAR   | 13                      | 15             | 24                    | 2                          | 2                   |                   |                  | 56      | 5                                      |                               |
| II YEAR  | 17                      | 30             | 3                     | 2                          | 2                   |                   |                  | 54      | 6                                      |                               |
| III YEAR | 11                      | 18             | 3                     | 1                          | 9                   |                   |                  | 42      | 3                                      |                               |
| IV YEAR  | 11                      | 40             | 0                     | 2                          | 14                  |                   |                  | 67      | 7                                      |                               |
| V YEAR   | 8                       | 47             | 0                     | 2                          | 18                  |                   |                  | 75      | 6                                      |                               |
| VI YEAR  | 4                       | 38             | 0                     | 0                          | 15                  | 7                 | 2                | 66      | 5                                      | compresa Prova finale/AFP/ADE |
|          | 64                      | 188            | 30                    | 9                          | 60                  | 7                 | 2                | 360     | 32                                     |                               |
|          |                         |                |                       |                            |                     |                   |                  |         |  |                               |
| SSD ING  | 42                      | 0              | 30                    | 5                          | 6                   |                   |                  | 83      | apart for final test and language exam |                               |
| SSD MED  | 22                      | 188            | 0                     | 4                          | 54                  |                   |                  | 268     | apart for final test and language exam |                               |
|          | 64                      | 188            | 30                    | 9                          | 60                  | 7                 | 2                | 360     |  |                               |
|          |                         |                |                       |                            |                     |                   |                  |         |  |                               |
|          |                         |                |                       |                            |                     |                   |                  |         |  |                               |
|          |                         | OPTIONAL CRED  | IS SUMMARY (CFU) T    | O GET AN ADDITIONAL BACI   | IELOR DEGREE IN BIO | MEDICAL ENGENEERI | NG               |         | Total Exams                            |                               |
| II YEAR  | 6                       |                | 6                     |                            |                     |                   |                  | 6       | 2                                      |                               |
| III YEAR |                         |                | 18                    |                            |                     |                   |                  | 24      | 2                                      |                               |
|          | 6                       |                | 24                    |                            |                     |                   |                  | 30      | 4                                      |                               |
| SSD ING  | 6                       |                | 24                    |                            |                     |                   |                  |         |  | 4                             |
| SSDMED   | 0                       |                | 0                     |                            |                     |                   |                  |         |  |                               |