



THE UNIVERSITY OF PAVIA  
DEPARTMENT OF  
MOLECULAR MEDICINE

COURSE REGULATIONS  
(art. 12 - M D. no. 270, 22 October 2004)

2014/2015 Entering Class

SECOND CYCLE DEGREE IN  
MEDICINE AND SURGERY  
(in English)  
Class LM-41

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## **PART ONE – GENERAL PROVISIONS**

### **Art. 1 – Name, class, department and duration**

1. The second cycle degree in Medicine and Surgery, denominated Harvey, provided in English, set up by the Department of Molecular Medicine, and coordinated by the Faculty of Medicine and Surgery of the University of Pavia, belongs to class LM-41 – second cycle degrees in Medicine and Surgery, in accordance with Ministerial Decree of 16 March 2007.
2. The standard duration of the second cycle degree course is six years.

### **Art. 2 – Regulatory texts**

1. In accordance with the freedom of teaching and the rights/obligations of teaching staff and students, the course organization and the carrying out of educational activities envisaged for the second cycle degree course in Molecular Biology and Genetics are regulated by the present text, by the [Statute of the University of Pavia](#), by the general [University Regulations](#), by [University Didactic Regulations](#), by [Student Regulations](#) and by the Regulations of the [Department of Molecular Medicine](#).
2. For all matters not expressly provided for in these Regulations, the existing provisions of the law apply.

### **Art. 3 – Body responsible for didactic and organizational coordination**

1. The second cycle degree course in Medicine and Surgery is offered by the Department of Molecular Medicine.  
The body responsible for the didactic and organisational coordination is the Teaching Council. The person responsible for the course is the President of the Teaching Council.
2. The quality management group, set up by a Teaching Council resolution, is made up of the Coordinator of the course, four members of the teaching staff and a student representative. Their names appear on the annual degree-programme report in *Appendix no.1*.

### **Art. 4 – Administrative services**

1. The administrative services available for students of the course are as follows:  
The Student Administration Office, which deals with the administrative management of students' studies. It is situated in Via Ferrata 5, Pavia and its website is consultable at: <http://www.unipv.eu/site/home/naviga-per/studenti/segreteria-studenti/segreteria-studenti-di-facolta/medicina-e-chirurgia.html>  
The Centre for Student Orientation (C.OR), which provides support for students during their university studies, and whose website can be found at: <http://cor.unipv.eu/site/home.html>  
The offices of the Department and of the Administration that provide administrative support and the coordination of teaching for the course.

## PART TWO – ORGANIZATION OF DIDACTIC ACTIVITIES

### Art. 5 – Annual degree-programme report

1. The annual degree-programme report for the Harvey course can be seen here: <https://sonl.unipv.it/ava/index.php/2014SUA04401.pdf>.

### Art. 6 – Admission requirements

1. Candidates with a high school diploma or an equivalent foreign qualification may be admitted to the Second Cycle Degree in Medicine and Surgery.
2. In accordance with Law no. 264 of 2 August 1999, the course is subject to a nationwide *numerus clausus*. Each year the Ministry decides the entrance quota on the basis of the availability of teaching staff and of teaching and healthcare facilities, coherently with the recommendations of the Advisory Committee on Medical Training of the European Union, and the parameters and guidelines prepared by the University and the Faculty.
3. The national admission test is prepared by the Ministry of Education, University and Research; it takes place on the same date at each state university that offers courses in Medicine in the English language, and consists of multiple choice questions on the following topics: logic and general culture, biology, chemistry, physics and mathematics. Entrance to the course is determined by the results of the admission test, which are placed in a national ranking of the scores obtained. All details are included in the announcement published on the University website ([www.unipv.it](http://www.unipv.it)).

### Art. 7 – Didactic organization

1. The University Credit (CFU) is the unit for measuring the study requirements of a student, and it corresponds to a total of 25 hours that includes individual study, lectures and interactive educational activities or practical internships. Credits are considered to have been acquired when the student, having taken part in educational activities, then passes the relative examination. For the course of Medicine, 1 CFU corresponds to:
  - 8 hours of lectures and 17 of individual study
  - 20 hours of practical training and 5 of individual study
  - 15 hours for lessons and 10 of individual study
2. In order to guarantee the effectiveness of their teaching, lecturers shall distribute lesson material to their students in advance, together with (i) a summary of the key points of each lesson; (ii) the sources and any suggested readings that are appropriate for understanding the topic. In addition to the parameters adopted by the university for evaluating the quality of teaching, the Harvey course also implements the following procedures to commit lecturers to effective didactic practices:
  - a) the inability to meet the deadlines set out in the teaching timetable, excessive delays in communicating exam results, or the presentation of information that is superficial, inaccurate or plagiarised are all indicative of inadequate teaching performance;
  - b) the management of lecturers with poor teaching performance is the responsibility of the Coordinator of the course. The Coordinator shall initially: (i) inform the lecturer in writing that a complaint against him/her has been presented by student representatives, and then explain its nature; (ii) shall verify the grounds for the complaint by means of interviews with the students and the lecturer as well as an analysis of the material used by the lecturer and examination results;
  - c) the course Coordinator has the authority to dismiss the complaint procedure, which can be presented only by students who have regularly attended classes, wi-

thout any further action, should the lecturer redress the grounds for the complaint and thereby improve his/her teaching performance in a satisfactory and immediately appreciable way.

- d) in the event that there is no discernible improvement over the following two weeks, the course Coordinator is obliged to submit the case to the HTC (Harvey Teaching Committee), in charge of the degree course, which will assess it and decide whether or not, after another two weeks, (i) to issue a formal warning to be sent to the University Evaluation Unit (NUV) specifying a period within which the shortcomings in teaching must be remedied; (ii) to propose that the lecturer is removed from the teaching of that particular course.
3. The course is divided into 12 semesters, each having at least 12 weeks of lessons, of which one to two weeks is devoted to seminars given even by students on topics decided by the lecturer, and the last week is dedicated to the revision of the topics covered. It is also highly desirable that lecturers organize optional seminars, already envisaged in the teaching timetable, so that key topics of the course and those that require further detailed study are clarified for students.

The two semesters are planned as follows: the first from 1/09 to 31/01 for the first year or from 1/10 to 31/01 for the successive years; the second from 1/03 to 31/05.

4. The examination sessions are scheduled for:
- February (winter session for courses held in the 1<sup>st</sup> semester): two alternative dates
  - June (summer session for courses held in the 2<sup>nd</sup> semester); two alternative dates
  - July, first session for resitting the exam (for courses held in the 1<sup>st</sup> and 2<sup>nd</sup> semesters): from 20 July onwards;
  - September, second session for resitting the exam (for courses held in the 1<sup>st</sup> and 2<sup>nd</sup> semesters). in the first week of September.

In addition, for the first year courses in Chemistry and Physics there will an examination session, and two sessions for resitting the exam.

The mark for each exam represents the level of the student's preparation in all of the subjects that make up that integrated or monodisciplinary course.

The evaluation of the ADE (elective educational activities) will be undertaken by the course Coordinator who will organise specific dates for their registration in the months of March, June and September, in good time so as not to interfere with the graduation sessions.

5. Final examinations (defence of thesis) are held according to a calendar that is opportunely prepared and published at the beginning of the academic year.
6. Lesson timetables, the calendar of exams dates and the calendar for final exams (defence of thesis) are set and published on the website of the Faculty <http://nfs.unipv.it> within the deadlines set by the Annual degree-programme report.

## **Art. 8 – Study plans**

1. Study plans are standard and no individual study plans are envisaged.
2. Students must confirm their prepared study plan, in their Registered User Area, by the end of October each year.
3. The training activity that concerns the entering class to which this Regulation refers is enclosed herewith (*Appendix no. 2*).

### **Art. 9 – Joint-degree programmes**

1. At the present time, no joint-degree programmes are provided.

### **Art. 10 – Attendance and curricular prerequisites**

1. Attendance at all teaching activities (lectures and professionalising internships) is mandatory.
2. In order to enrol for the successive year of study, students must have passed all of the exams of the previous academic year. In an exception to this general rule, the transition from the first to the second year can take place upon the acquisition of 42 CFUs by 20 September 2015. Similarly, students can proceed to the third year by having obtained all of the credits of the first and second year by 20 September 2016. Defaulting students will be evaluated case by case by the HTC (Harvey teaching Committee) which regulates the effectiveness of teaching. This commission may also evaluate the passage to subsequent years of the course, derogating, if necessary, from the general rule.
3. No exams are prerequisites to other exams in the same year of the course.
4. Students lose their student status if they fail to re-enrol in the degree course for 4 consecutive years, if they fail to observe the regulations regarding attendance, or if they have passed no exams in 4 consecutive academic years.

### **Art. 11 – Student elective activities**

1. The study plan allows for the inclusion of 8 CFUs gained in free choice activities (as set out in art. 10, paragraph 5. of Ministerial Decree 270/2004 - called "TAF D"), or elective educational activities (ADE), for which there is no mark awarded, only an indication of competency. Students can choose from the subjects offered by the University syllabus, and the Teaching Council may reserve the right to evaluate the compatibility of these subjects with respect to the educational objectives of the course, taking into consideration the appropriateness of any reasons adduced by the student.

CFUs in ADEs are to be programmed at the beginning of each academic year.

Credits are obtained by attending elective activities, chosen from the following types:

- Elective internship in the basic disciplines (1 CFU): attendance of no more than 20 hours in research laboratories.
- Specialised course (1 CFU): the monographic course constitutes in-depth study of topics, often interdisciplinary, that complement medical training; it includes 8 hours of lectures.

The syllabus of elective subjects available within the Harvey Course is published on the website of the Faculty <http://nfs.unipv.it> and updated every year. It is necessary, to obtain the necessary signature or certificate, to attend no less than 75% of the scheduled lectures or internship hours. Online registration of CFUs in ADEs is organized by the President of the Teaching Council to whom students present certificates of participation in the elective activities that they wish to register.

2. The free-choice activities available to students (under Article 10 paragraph 5.a Ministerial Decree no. 270/2004 - called "TAF D") may include subjects offered in both local and national courses that have a *numerus clausus*.
3. Students cannot choose subjects already taken during previous periods of university study unless they have obtained specific validations for these beyond the credits required for the attainment of the three-year degree. The offices responsible will verify the correct application of the rule by students prior to their sitting of the final exam. In the event of violation of the above rule, students shall not be permitted to sit their final exam and shall be obliged to modify their study plan.

### **Art. 12 – Internships and placements**

1. Professionalising internships are compulsory educational activities that correspond to 60 credits (1200 hours of student work) and that are distributed from the third to the sixth year, allowing students the acquisition of specific skills. The activities must be personally undertaken by the student, under the direct supervision of a tutor. Professionalising internships are governed by specific regulations found on the website of the Faculty <http://nfs.unipv.it>

### **Art. 13 – Examinations and end-of-course assessments**

1. The tuition offered can be subdivided into integrated courses comprising multiple modules according to the logic of integrative teaching; assessment is carried out through an integrated exam. For integrated courses that are held over different semesters, assessment by means of partial tests (ongoing evaluation) is possible. The total number of exams over the six years of the course is 24.
2. Foundation subjects, similar and integrative subjects, and subjects chosen by the student are to be taken into consideration in the calculation of final exams or assessments. Exams or final assessments related to these activities are considered in the count as corresponding to one unit (even if the credits give rise to more examinations or final evaluations). The set of educational activities referred to in subparagraphs c), d) and e) of paragraph 5, article. 10 of Ministerial Decree no. 270 / 2004, are not included when calculating the maximum number of final examinations or assessments; the tests envisaged for such activities must not exceed 5 in number, including the final defence of the thesis and the awarding of the degree.
3. Learning can be assessed by means of:
  - *competency* (exam without an actual mark) that gauges the effectiveness of the processes of learning and teaching;
  - *exams* that assess to what extent the objectives of the integrated course, with rules decided on and communicated by the teachers, have been met and then quantify this in a mark.

Enrolment in examinations and the official registration of marks takes place exclusively online.

4. In the event that students do not pass an exam, they may attempt it again in the sessions specifically organised for resitting exams.

### **Art. 14 – Final examination and awarding of degree**

1. Students have 18 credits set aside for the preparation of their theses. For their final internship, they must approach the lecturer whom they indicate as the possible supervisor for their thesis regarding his/her availability and arrange with him/her the topic of the thesis and the laboratory/clinic where the internship will be carried out. If the request is accepted, the lecturer will eventually entrust the student to a tutor who can act as co-supervisor when the thesis is defended.
2. Admission to the final examination requires the acquisition of all the credits set out in the didactic regulations, with the exclusion of the 18 credits that are acquirable via the exam itself. The final exam consists of the presentation and discussion of a thesis prepared by the student under the guidance of a supervisor with no distinction on the basis of the type of thesis discussed (for example, experimental, factual, a case history). The presence of an assistant supervisor may be necessary.

The supervisor will be required to submit a brief report - approximately one page - signed and attached to the thesis, which outlines the actual contribution of the student to the elaboration of the work under discussion.

3. The final mark for the degree is expressed as a number out of one hundred and ten, and is the sum of the **base mark**, the **mark for the final examination**, and **other marks**.

- **Base mark:** the base mark is derived from the arithmetic mean of the examinations taken throughout the course multiplied by 11, divided by 3 and rounded to the nearest integer.

- **Final examination mark:** is awarded on the basis of the work presented by the student and the defence of the thesis with the Examination Commission.

It comprises 8 points, distributed as follows:

- Up to a maximum of 3 points awarded by the Supervisor (of which 2 points are attributable on the basis of the content of the work and 1 point on the quality of the presentation and discussion of the same);
- Up to a maximum of 3 points awarded by the Examination Commission (for the distribution, see the previous point);
- Up to a maximum of 2 points awarded by the Outside Examiner.

**Other marks:**

- 1 point is awarded to those who have obtained at least 4 commendations.

To receive a degree **cum laude**, awarded unanimously by the Examination Commission, it is necessary to have a final mark  $\geq 112/110$ .

**Encomium** is awarded to those who have a final mark  $\geq 116/110$ . Encomium will also formally indicated in the hard-copy register of the final Examination.



## **PART THREE – PROVISIONS REGARDING STUDENTS' COURSE OF STUDY**

### **Art. 15 – Criteria for recognition of duly-certified, extra-university knowledge and skills**

1. The Teaching Council can validate the recognition of duly-certified, extra-university knowledge and skills for up to a maximum of 12 credits (art. 14 of Law no. 240/2010) taking into account the requirements of the course as regards the student's academic and personal background.

### **Art. 16 – Criteria for recognition of credits earned**

1. Transfers from other courses of Medicine and Surgery  
Students enrolled in courses of Medicine and Surgery that are taught in English at other Italian universities can transfer without the need to retake the admission test. Students enrolled at foreign or Italian universities in courses of Medicine and Surgery that are taught in Italian, or enrolled in courses of Dentistry and Dental Prosthetics, must sit the admission test, and can be assigned to Pavia only subject to the availability of places. Repeating students and those who have not passed all their exams within the prescribed period of time are not permitted to transfer.  
The number of places available annually for students who transfer is announced before June by the Students' Office, which organises the relevant announcement for the filling of places. If the requests exceed the available places, a commission appointed by the Teaching Council draws up a ranking on the basis of the number of credits earned by students that are transferable to the course and, when the numbers of CFUs are equal, then the average exam marks are calculated.
2. Transfers from other courses are possible if students have passed the admission test in Pavia. These students may require validation of the exams already taken, in Italy or abroad, at the discretion of the Teaching Council acting upon the request of the lecturers of the subject.
3. Admission to years successive will be validated by Teaching Council.

### **Art. 17 – Criteria for recognition of educational activities undertaken at foreign universities**

1. Training activities undertaken at foreign universities are recognized if carried out as part of the Erasmus, Erasmus Mundus, and Erasmus Placement projects, or exchange agreements with other foreign universities approved by the Faculty of Medicine.
2. The "Learning Agreement" or the "Training Agreement" are documents that define the training activities that will be undertaken abroad and that will replace some of the activities envisaged by the degree course. The possible recognition of credits earned abroad is established in advance through the "Learning Agreement" or "Training Agreement", which is signed for approval by the staff member designated by the Department of reference as the Coordinator for studies carried out abroad. It is the responsibility of the Coordinator to ensure the coherence of the "Learning Agreement" or "Training Agreement" with the educational objectives of the course.
3. The equivalence of the subjects to be studied abroad with that of the subjects provided in the degree course must first be approved by the lecturer in a written statement.
4. At the end of the period of study spent abroad, the student will submit certification of the training activities undertaken to the Teaching Council for the recognition of credits, together with details of the programme followed, duly certified by the foreign teacher, for the conversion of the marks into a mark out of thirty and for the identification of possible integrations.

**Art. 18 – Admission to subsequent years**

1. The rules for admission to years successive to the first year of the course are described in Article 10 paragraph 2.

**Art. 19 – Certifications**

1. Language certificates or any other kinds of certifications are not accepted.

**Università di Pavia**

**STAMPA ATTIVITÀ FORMATIVE PER ANNO**

**Facoltà: FACOLTA' DI MEDICINA E CHIRURGIA**

**Dipartimento: DIPARTIMENTO DI MEDICINA MOLECOLARE**

**Corso di Studio: 04401 - MEDICINA E CHIRURGIA (IN LINGUA INGLESE)**

**ORDINAMENTO 04401-12 ANNO 2012/2013**

**REGOLAMENTO 04401-1214 ANNO 2014/2015**

[nfs.unipv.it](http://nfs.unipv.it)

**PERCORSO 00 - PERCORSO COMUNE**

**CFU Totali: 368**

**1° Anno (64 CFU)**

Attività Formativa	CFU	Settore	TAF/Ambito	Tipo insegnamento
506492 - BASIC SCIENCE	10			Obbligatorio
Unità Didattiche				
500438 - CHEMISTRY	5	BIO/10	Base / Struttura, funzione e metabolismo delle molecole d'interesse biologico	Obbligatorio
506493 - MEDICAL PHYSICS	5	FIS/07	Base / Discipline generali per la formazione del medico	Obbligatorio
506497 - LIVING MOLECULES	18			Obbligatorio
Unità Didattiche				
500454 - GENERAL BIOLOGY	2	BIO/13	Base / Discipline generali per la formazione del medico	Obbligatorio
500455 - HUMAN GENETICS	2	MED/03	Base / Discipline generali per la formazione del medico	Obbligatorio
500461 - MOLECULAR BIOLOGY	2	BIO/11	Base / Struttura, funzione e metabolismo delle molecole d'interesse biologico	Obbligatorio
500462 - CELLULAR BIOCHEMISTRY	2	BIO/10	Base / Struttura, funzione e metabolismo delle molecole d'interesse biologico	Obbligatorio
501561 - MOLECULAR GENETICS	1	BIO/13	Base / Discipline generali per la formazione del medico	Obbligatorio
506498 - GENERAL BIOCHEMISTRY A	7	BIO/10	Base / Struttura, funzione e metabolismo delle molecole d'interesse biologico	Obbligatorio
506499 - GENERAL BIOCHEMISTRY B	2	BIO/10	Affine/Integrativa / Attività formative affini o integrative	Obbligatorio
506504 - STRUCTURE OF THE BODY	20			Obbligatorio
Unità Didattiche				
500466 - CYTOLOGY	2	BIO/17	Base / Morfologia umana	Obbligatorio
500469 - TOPOGRAPHIC ANATOMY	4	BIO/16	Affine/Integrativa / Attività formative affini o integrative	Obbligatorio

504899 - HUMAN ANATOMY A	4	BIO/16	Base / Morfologia umana	Obbligatorio
504900 - HUMAN ANATOMY B	1	BIO/16	Base / Morfologia umana	Obbligatorio
506505 - HISTOLOGY	2	BIO/17	Base / Morfologia umana	Obbligatorio
506506 - EMBRYOLOGY	1	BIO/17	Base / Morfologia umana	Obbligatorio
506507 - HUMAN ANATOMY C	6	BIO/16	Base / Morfologia umana	Obbligatorio
506496 - SCIENTIFIC FOUNDATIONS OF MEDICINE	6			Obbligatorio
Unità Didattiche				
500445 - HISTORY OF MEDICINE	1	MED/02	Caratterizzante / Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione	Obbligatorio
501847 - EPIDEMIOLOGY	1	MED/01	Caratterizzante / Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione	Obbligatorio
502609 - STATISTICS A	1	MED/01	Caratterizzante / Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione	Obbligatorio
502610 - STATISTICS B	3	MED/01	Affine/Integrativa / Attività formative affini o integrative	Obbligatorio
506500 - SOCIAL ROOTS OF HEALTH	8			Obbligatorio
Unità Didattiche				
506641 - HEALTH ECONOMICS	1	SECS-P/07	Caratterizzante / Scienze umane, politiche della salute e management sanitario	Obbligatorio
506501 - COMMUNITY MEDICINE A	2	MED/42	Caratterizzante / Fisiopatologia, metodologia clinica, propedeutica clinica e sistematica medico-chirurgica	Obbligatorio
506502 - COMMUNITY MEDICINE B	4	MED/42	Caratterizzante / Scienze umane, politiche della salute e management sanitario	Obbligatorio
506503 - COMMUNITY MEDICINE C	1	MED/42	Caratterizzante / Medicina e sanità pubblica e degli ambienti di lavoro e scienze medico legali	Obbligatorio
506495 - ESSAY WRITING TECHNIQUE	1	NN	A scelta dello studente / A scelta dello studente	
506494 - MATHEMATICS	1	NN	A scelta dello studente / A scelta dello studente	
<b>2° Anno (55 CFU)</b>				
<b>Attività Formativa</b>	<b>CFU</b>	<b>Settore</b>	<b>TAF/Ambito</b>	<b>Tipo insegnamento</b>
506512 - FUNCTIONS OF THE BODY	20			Obbligatorio
Unità Didattiche				

501703 - RESPIRATORY PHYSIOLOGY	2	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501704 - NERVOUS SYSTEM PHYSIOLOGY	3	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501705 - KIDNEY PHYSIOLOGY	3	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501706 - GASTROENTEROLOGIC PHYSIOLOGY	2	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501717 - MUSCLE PHYSIOLOGY	2	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501718 - CELL PHYSIOLOGY	3	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501719 - CARDIOVASCULAR PHYSIOLOGY	3	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501720 - ENDOCRINE PHYSIOLOGY	2	BIO/09	Base / Funzioni biologiche integrate di organi, sistemi e apparati umani	Obbligatorio
501721 - LABORATORY MEDICINE	8			Obbligatorio
Unità Didattiche				
501722 - CLINICAL BIOCHEMISTRY	5	BIO/12	Caratterizzante / Medicina di laboratorio e diagnostica integrata	Obbligatorio
506513 - CLINICAL MICROBIOLOGY A	1	MED/07	Caratterizzante / Medicina di laboratorio e diagnostica integrata	Obbligatorio
506514 - CLINICAL MICROBIOLOGY B	1	MED/07	Caratterizzante / Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia	Obbligatorio
506515 - HUMAN GENETICS IN LABORATORY MEDICINE	1	MED/03	Base / Discipline generali per la formazione del medico	Obbligatorio
506516 - BIOLOGY OF DISEASE	20			Obbligatorio
Unità Didattiche				
501708 - IMMUNOLOGY	5	MED/04	Caratterizzante / Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia	Obbligatorio
501709 - GENERAL PATHOLOGY	7	MED/04	Caratterizzante / Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia	Obbligatorio
504495 - VIROLOGY A	1	MED/07	Caratterizzante / Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia	Obbligatorio
504496 - VIROLOGY B	1	MED/07	Caratterizzante / Medicina di laboratorio e diagnostica integrata	Obbligatorio

506517 - BACTERIOLOGY AND PARASITOLOGY	4	MED/07	Caratterizzante / Patologia generale e molecolare, immunopatologia, fisiopatologia generale, microbiologia e parassitologia	Obbligatorio
506518 - GENERAL PATHOPHYSIOLOGY	2	MED/04	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
506508 - ETHICS AND SOCIETY	7			Obbligatorio
Unità Didattiche				
506509 - ETHICS AND MEDICINE (BIOETHICS)	4	MED/02	Caratterizzante / Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione	Obbligatorio
506510 - THE PUBLIC STRUCTURE OF HEALTH (FORENSIC MEDICINE)	2	MED/43	Caratterizzante / Medicina e sanità pubblica e degli ambienti di lavoro e scienze medico legali	Obbligatorio
506511 - PATIENT AND DOCTOR RELATIONSHIP	1	MED/25	Caratterizzante / Clinica psichiatrica e discipline del comportamento	Obbligatorio
<b>3° Anno (63 CFU)</b>				
<b>Attività Formativa</b>	<b>CFU</b>	<b>Settore</b>	<b>TAF/Ambito</b>	<b>Tipo insegnamento</b>
506524 - CLINICAL FOUNDATIONS	10			Obbligatorio
Unità Didattiche				
501849 - GENERAL SURGERY	4	MED/18	Caratterizzante / Fisiopatologia, metodologia clinica, propedeutica clinica e sistematica medico-chirurgica	Obbligatorio
501850 - INSTRUMENTAL SEMIOTICS	2	MED/36	Caratterizzante / Medicina di laboratorio e diagnostica integrata	Obbligatorio
506525 - MEDICAL SEMEIOTICS A	2	MED/09	Caratterizzante / Fisiopatologia, metodologia clinica, propedeutica clinica e sistematica medico-chirurgica	Obbligatorio
506526 - MEDICAL SEMEIOTICS B	2	MED/09	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
506528 - DISEASE CONTROL AND ERADICATION	11			Obbligatorio
Unità Didattiche				
506529 - INFECTIOUS DISEASES A	3	MED/17	Caratterizzante / Medicina di comunità	Obbligatorio
506530 - INFECTIOUS DISEASES B	2	MED/17	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
506531 - THE SCIENCE OF DISEASE CONTROL AND ERADICATION	4	MED/17	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
506532 - CLINICAL EPIDEMIOLOGY	2	MED/01	Affine/Integrativa / Attività formative affini o integrative	Obbligatorio
506527 - DISEASES OF THE BLOOD AND ENDOCRINE SYSTEM	10			Obbligatorio
Unità Didattiche				
501855 - HAEMATOLOGY	3	MED/15	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio

501856 - HAEMATOLOGIC ONCOLOGY	1	MED/15	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
501876 - INTERNAL MEDICINE	1	MED/09	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
501877 - ENDOCRINOLOGY	3	MED/13	Caratterizzante / Fisiopatologia, metodologia clinica, propedeutica clinica e sistematica medico- chirurgica	Obbligatorio
501878 - ENDOCRINE SURGERY	1	MED/18	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
506548 - PATHOLOGICAL ANATOMY IN HAEMATOLOGY	1	MED/08	Caratterizzante / Clinica delle specialità medico- chirurgiche	Obbligatorio
506520 - DRUG DISCOVERY AND ACTIONS	6			Obbligatorio
Unità Didattiche				
504866 - CHEMOTHERAPY	1	BIO/14	Caratterizzante / Farmacologia, tossicologia e principi di terapia medica	Obbligatorio
506521 - GENERAL PHARMACOLOGY AND PHARMACODYNAMICS	2	BIO/14	Caratterizzante / Farmacologia, tossicologia e principi di terapia medica	Obbligatorio
506522 - PHARMACOKINETICS AND THERAPEUTIC DRUG MONITORING	2	BIO/14	Caratterizzante / Farmacologia, tossicologia e principi di terapia medica	Obbligatorio
506523 - DRUG DISCOVERY AND DRUG DEVELOPMENT	1	BIO/14	Caratterizzante / Farmacologia, tossicologia e principi di terapia medica	Obbligatorio
506519 - SYSTEMIC PATHOLOGY	6			Obbligatorio
Unità Didattiche				
502675 - PATHOLOGICAL ANATOMY A	3	MED/08	Caratterizzante / Discipline anatomo-patologiche e correlazioni anatomo- cliniche	Obbligatorio
502676 - PATHOLOGICAL ANATOMY B	3	MED/08	Caratterizzante / Fisiopatologia, metodologia clinica, propedeutica clinica e sistematica medico- chirurgica	Obbligatorio
506533 - EVOLUTION AND MEDICINE	6			
Unità Didattiche				
501929 - MEDICAL GENETICS	3	MED/03	A scelta dello studente / A scelta dello studente	
506534 - GENETICS	3	BIO/18	A scelta dello studente / A scelta dello studente	
506535 - PERSONALISED MEDICINE	6	NN	A scelta dello studente / A scelta dello studente	
506536 - SYSTEM BIOLOGY	2	NN	A scelta dello studente / A scelta dello studente	
506537 - CLINICAL FOUNDATIONS PRACTICALS	6	NN	Altro / Tirocini formativi e di orientamento	Obbligatorio
<b>4° Anno (62 CFU)</b>				
<b>Attività Formativa</b>	<b>CFU</b>	<b>Settore</b>	<b>TAF/Ambito</b>	<b>Tipo insegnamento</b>
506540 - GI AND URINARY TRACTS	10			Obbligatorio
Unità Didattiche				

501869 - NEPHROLOGY	4	MED/14	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
501870 - UROLOGY	1	MED/24	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
501881 - GASTROINTESTINAL SURGERY	1	MED/18	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
501882 - HUMAN NUTRITION	1	MED/49	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
504483 - GASTROENTEROLOGY A	2	MED/12	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
504484 - GASTROENTEROLOGY B	1	MED/12	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
506538 - HEART AND LUNGS	11			Obbligatorio
Unità Didattiche				
501863 - CARDIOLOGY	4	MED/11	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
501867 - THORACIC SURGERY	1	MED/21	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
502667 - RESPIRATORY DISEASES A	2	MED/10	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
502668 - RESPIRATORY DISEASES B	2	MED/10	Caratterizzante / Medicina delle attività motorie e del benessere	Obbligatorio
506539 - VASCULAR SURGERY AND HEART SURGERY	2	MED/22	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
506542 - NEUROLOGICAL AND PSYCHIATRIC DISEASES	11			Obbligatorio
Unità Didattiche				
501899 - NEUROLOGY	5	MED/26	Caratterizzante / Discipline neurologiche	Obbligatorio
501900 - NEUROSURGERY	1	MED/27	Caratterizzante / Discipline neurologiche	Obbligatorio
502750 - ELEMENTS OF PSYCHIATRY	3	MED/25	Caratterizzante / Clinica psichiatrica e discipline del comportamento	Obbligatorio
506543 - PSYCHOLOGICAL MEDICINE	2	MED/25	Caratterizzante / Clinica psichiatrica e discipline del comportamento	Obbligatorio
506544 - SENSORY SYSTEM DISEASES	8			Obbligatorio
Unità Didattiche				
501892 - OPHTHALMOLOGY	3	MED/30	Caratterizzante / Clinica medico-chirurgica degli organi di senso	Obbligatorio
501893 - OTORHINOLARYNGOLOGY	2	MED/31	Caratterizzante / Clinica medico-chirurgica degli organi di senso	Obbligatorio
501894 - AUDIOLOGY	1	MED/32	Caratterizzante / Clinica medico-chirurgica degli organi di senso	Obbligatorio
501895 - DENTISTRY	1	MED/28	Caratterizzante / Clinica medico-chirurgica degli organi di senso	Obbligatorio



501896 - MAXILLO-FACIAL SURGERY	1	MED/29	Affine/Integrativa / Attività formative affini o integrative	Obbligatorio
506545 - SOFT TISSUE DISEASES	6			Obbligatorio
Unità Didattiche				
501852 - RHEUMATOLOGY	3	MED/16	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
501853 - CLINICAL IMMUNOLOGY	1	MED/09	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
501889 - DERMATOLOGY	2	MED/35	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
506541 - CLINICAL CASES 4TH YEAR	16	NN	Altro / Tirocini formativi e di orientamento	Obbligatorio
<b>5° Anno (62 CFU)</b>				
<b>Attività Formativa</b>	<b>CFU</b>	<b>Settore</b>	<b>TAF/Ambito</b>	<b>Tipo insegnamento</b>
506547 - CLINICAL PHARMACOLOGY, GENETICS AND PATHOLOGY	11			Obbligatorio
Unità Didattiche				
501715 - PATHOLOGICAL ANATOMY	3	MED/08	Caratterizzante / Discipline anatomo-patologiche e correlazioni anatomo-cliniche	Obbligatorio
506549 - CLINICAL PHARMACOLOGY AND THERAPEUTICS	4	BIO/14	Caratterizzante / Farmacologia, tossicologia e principi di terapia medica	Obbligatorio
506550 - MEDICAL TOXICOLOGY	1	BIO/14	Caratterizzante / Farmacologia, tossicologia e principi di terapia medica	Obbligatorio
506551 - HUMAN GENETICS A	1	MED/03	Base / Discipline generali per la formazione del medico	Obbligatorio
506552 - HUMAN GENETICS B	2	MED/03	Base / Discipline generali per la formazione del medico	Obbligatorio
506546 - CHILDHOOD AND WOMAN HEALTH	12			Obbligatorio
Unità Didattiche				
501909 - PAEDIATRIC SURGERY	1	MED/20	Caratterizzante / Discipline pediatriche	Obbligatorio
501910 - CHILDHOOD NEUROPSYCHIATRY	1	MED/39	Caratterizzante / Discipline pediatriche	Obbligatorio
501928 - GYNAECOLOGY AND OBSTETRICS	5	MED/40	Caratterizzante / Discipline ostetrico-ginecologiche, medicina della riproduzione e sessuologia medica	Obbligatorio
502679 - GENERAL PAEDIATRICS	5	MED/38	Caratterizzante / Discipline pediatriche	Obbligatorio
506554 - GENERAL SURGERY I	11			Obbligatorio
Unità Didattiche				
501924 - EMERGENCY MEDICINE	2	MED/09	Caratterizzante / Emergenze medico-chirurgiche	Obbligatorio
501925 - SURGICAL EMERGENCY	1	MED/18	Caratterizzante / Emergenze medico-chirurgiche	Obbligatorio
501926 - INTENSIVE CARE	2	MED/41	Caratterizzante / Emergenze medico-chirurgiche	Obbligatorio
502686 - SURGERY	6	MED/18	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
506555 - GENERAL SURGERY II	12			Obbligatorio

Unità Didattiche				
501872 - ORTHOPAEDICS	2	MED/33	Caratterizzante / Clinica medico-chirurgica dell'apparato locomotore	Obbligatorio
501873 - REHABILITATION	2	MED/34	Caratterizzante / Clinica medico-chirurgica dell'apparato locomotore	Obbligatorio
501884 - RADIOLOGY	2	MED/36	Caratterizzante / Discipline radiologiche e radioterapiche	Obbligatorio
501885 - RADIOTHERAPY	1	MED/36	Caratterizzante / Discipline radiologiche e radioterapiche	Obbligatorio
501886 - NEURORADIOLOGY	1	MED/37	Caratterizzante / Discipline radiologiche e radioterapiche	Obbligatorio
501887 - ONCOLOGY	2	MED/06	Caratterizzante / Discipline radiologiche e radioterapiche	Obbligatorio
501890 - PLASTIC AND RECONSTRUCTIVE SURGERY	2	MED/19	Caratterizzante / Clinica delle specialità medico-chirurgiche	Obbligatorio
506553 - CLINICAL CASES 5TH YEAR	16	NN	Altro / Tirocini formativi e di orientamento	Obbligatorio
<b>6° Anno (62 CFU)</b>				
<b>Attività Formativa</b>	<b>CFU</b>	<b>Settore</b>	<b>TAF/Ambito</b>	<b>Tipo insegnamento</b>
506556 - CLINICAL MEDICINE	14			Obbligatorio
Unità Didattiche				
501921 - GERIATRICS	2	MED/09	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
501933 - FORENSIC MEDICINE	2	MED/43	Caratterizzante / Medicina e sanità pubblica e degli ambienti di lavoro e scienze medico legali	Obbligatorio
502682 - INTERNAL MEDICINE A	3	MED/09	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
502683 - INTERNAL MEDICINE B	1	MED/09	Caratterizzante / Formazione clinica interdisciplinare e medicina basata sulle evidenze	Obbligatorio
502690 - INTERNAL MEDICINE C	1	MED/11	Caratterizzante / Medicina delle attività motorie e del benessere	Obbligatorio
504485 - FAMILY MEDICINE	2	MED/09	Caratterizzante / Clinica generale medica e chirurgica	Obbligatorio
506557 - OCCUPATIONAL MEDICINE	3	MED/44	Caratterizzante / Medicina e sanità pubblica e degli ambienti di lavoro e scienze medico legali	Obbligatorio
506560 - DEGREE THESIS	18	PROFIN_S	Lingua/Prova Finale / Per la prova finale	Obbligatorio
506558 - CLINICAL CASES 6TH YEAR	13	NN	Altro / Tirocini formativi e di orientamento	Obbligatorio
506559 - PRACTICALS IN DEGREE THESIS SUBJECT	9	NN	Altro / Tirocini formativi e di orientamento	Obbligatorio
506562 - STUDENTS PRESENTATION OF SCIENTIFIC PAPERS	8	L-LIN/12	Altro / Ulteriori conoscenze linguistiche	Obbligatorio