



**HELLENIC REPUBLIC  
UNIVERSITY OF CRETE  
SCHOOL OF MEDICINE**



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# **STUDY GUIDE OF UNDERGRADUATE STUDIES PROGRAMME**

**ACADEMIC YEAR 2020-2021**



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## 1. OBJECTIVES OF THE STUDY PROGRAMME

The quality policy of the School of Medicine is based on the School's philosophy as defined from the beginning of its operation and enriched during the following years. In summary, this policy aims at: 1) excellence in students' education in the key fields of Medical Science 2) excellence in research and 3) provision of high-quality clinical work in the 7th Health Region and beyond.

On the basis of this philosophy, the objectives of the Undergraduate Studies Programme are summarised as follows:

- offering studies of high level and quality on the basis of international criteria
- complying with modern concepts of Medical Science and Public Health
- cultivating scientific and creative thinking with an understanding of the basic principles of medicine, while acquiring a high level of clinical skills
- maintaining a balanced combination between depth and range of knowledge
- providing opportunities that open up the cognitive horizons of students
- At a postgraduate level (and undergraduate level): providing specialisation in cutting-edge research areas and conduct research at international level.

The main objective of the School is to provide high quality medical education, both at undergraduate and postgraduate level, to conduct innovative research in cutting-edge fields of Medical Science and to provide a high level of tertiary care in the 7th Health Region and the country in general. The School of Medicine has prioritized the objectives of the USP, the mechanisms for their implementation over the time, the ongoing evaluation, and the gradual improvement. This continuous improvement process, which has been in place since the establishment of the School, has led to a modern curriculum that is a major advantage of the School of Medicine in the international field of education.

In order to ensure the smooth and efficient operation of the School's educational and research activities, the School of Medicine is structured in 10 divisions that correspond to specific scientific areas in which the teaching and research staff (faculty members) and, also, the educational and research laboratories are distributed. According to PD 361/83 FEK (129 / vol. A / 22-09-1983) the Divisions of the School of Medicine are the following:

- Division of Radiology
- Division of Basic Medical Sciences
- Division of Laboratory Medicine
- Division of Social Medicine
- Division of Mother and Child Health
- Division of Morphology
- Division of Neurology and Sensory Organs
- Division of Internal Medicine
- Division of Surgery
- Division of Psychiatry and Behavioral Sciences

### 1.1 Profile of Studies, Learning Results, Professional Perspectives

The School of Medicine of the University of Crete began operating in 1984 as the Department of Medicine of the School of Health Sciences of the University of Crete, while in 2018 it was renamed to the School of Medicine. It is one of the 7 Medical Schools/Departments of the country, with a special contribution to changing the map of academic medical education over the last 35 years.

The School of Medicine, that recently completed 35 years of operation, has a modern Program of Undergraduate Studies, which is renewed according to the proposals of the continuous and rapid evolution of Medical Science, but also the feedback that the School collects through various mechanisms such as modern

international trends in medical education, its students' views, its graduates' experience etc. Upon completion of the Undergraduate Studies Programme, the medical graduates will have acquired knowledge, skills and clinical competencies including:

- Knowledge of the basic architecture of the structure and organization of the human body.
- Knowledge of the physiological mechanisms that govern the functions of the organs and systems of the human body.
- Understanding of the pathophysiological basis and knowledge of the pathogenetic mechanisms of diseases.
- Knowledge of the main epidemiological features of the community's disease profile and the basic principles of prevention.
- Acquisition of effective communication skills during the doctor - patient /patient's family encounter.
- Taking a complete medical history and performing a complete physical examination.
- Knowledge of the clinical manifestations of the most common diseases, their diagnostic approach and the basic principles of their treatment.
- Performing cardiopulmonary resuscitation and applying the basic principles of multiple trauma care in the primary care setting.
- The preliminary diagnostic approach and effective transfer and referral of the patient / injured.

Therefore, the strategic planning of the Undergraduate Studies Programme of the School of Medicine provides a solid basis to the School's graduates so that, upon completion of their studies, they have acquired the necessary scientific knowledge and clinical skills that will qualify them to continue as residents in major hospital institutions at home or abroad, and also potentially distinguish themselves in the field they choose. Regarding the possibility of continuing their studies at a postgraduate level, graduates of high academic achievement are systematically admitted to postgraduate study programmes or to the preparation of a doctoral thesis at the School and other Universities.

At the same time, the design of the USP gives the stimuli, but also the necessary qualifications to the students who wish to follow the path of basic research. The School of Medicine has had and continues to have a strong research orientation. The School's members, throughout its history and even more today, maintain important national, European and international collaborations with leading academic and research institutions cultivating a particularly attractive academic environment for young researchers.

In conclusion, the School of Medicine in its 35 years of history played a key role in the radical upgrading of medical care in the 7th Health Region and more broadly in the country. Attracting high-level faculty members with international research activity, since the beginning of its operation, resulted in establishing the School of Medicine as one of the best in Greece and with a distinct position in the international academic arena.

## 2. FACULTY MEMBERS

### 2.1 Professors:

1. Vgontzas Alexandros, Professor of Psychiatry
2. Velegrakis Georgios, Professor of Otolaryngology
3. Galanakis Emmanuel, Professor of Paediatrics
4. Georgopoulos Dimitrios, Professor of Intensive Medicine – Respiratory Medicine
5. Gikas Achilles, Professor, Professor of General Internal Medicine with focus on infections
6. Goulielmos Georgios, Professor of Genetics (Molecular Genetics of Man)
7. Gravanis Achilleas, Professor of Pharmacology
8. Damilakis Ioannis, Professor of Medical Physics
9. Dimitriou Eleni, Professor of Pediatrics with emphasis on Laboratory Research
10. Zoras Odysseus, Professor, Surgical Oncology
11. Theodoropoulos Panagiotis, Professor of Biochemistry

12. Thermou Kyriaki, Professor of Pharmacology
13. Karagogeus Domna, Professor of Molecular Biology - Developmental Neurobiology
14. Karadas Apostolos, Professor of Radiology
15. Kardassis Dimitrios, Professor of Biochemistry
16. Kontakis Georgios, Professor of Orthopaedics
17. Koutroubakis Ioannis, Professor of Gastroenterology
18. Kochiadakis Georgios, Professor of Cardiology
19. Krasagakis Konstantinos, Professor of Dermatology
20. Liapakis Georgios, Professor of Pharmacology
21. Lionis Christos, Professor of General Medicine and Primary Health Care
22. Makrygiannakis Antonios, Professor of Obstetrics and Gynecology
23. Mataliotakis Ioannis, Professor of Obstetrics and Gynecology
24. Mavrothalassitis Georgios, Professor of Medical Chemistry
25. Mavroudis Dimitrios, Professor of Pathological Oncology
26. Mitsias Panagiotis, Professor of Neurology
27. Moschovakis Antonios, Professor of Physiology
28. **Mouzas Ioannis, Professor of Gastroenterology**
29. Bitsios Panagiotis, Professor of Psychiatry
30. De Bre Eelko, Professor of General Surgery – Surgical Oncology
31. Papadaki Eleni, Professor of Hematology
32. Parthenakis Frangiskos, Professor of Cardiology
33. Simantirakis Emmanuel, Professor of Cardiology
34. Simos Panagiotis - Gabriel, Professor of Evolutionary Psychology
35. Sourvinos Georgios, Professor of Clinical Virology
36. Steikaki Eftichia, Professor of Pediatric Hematology - Oncology
37. Tavernarakis Nektarios, Professor of Biology - Systems Biology
38. Tzanakakis Georgios, Professor of Anatomy - Histology
39. Tzanakis Nikolaos, Professor of Respiratory Medicine
40. Tzardi Maria, Professor of Pathological Anatomy specializing in Gastroenterology
41. Tsatsakis Aristides, Professor of Toxicology
42. Tsatsanis Christos, Professor of Clinical Chemistry
43. Tsetis Dimitrios, Professor of General Radiology / Interventional Radiology
44. Tsilibaris Miltiadis, Professor of Ophthalmology
45. Chrysos Emmanuel, General Surgery

## 2.2 Associate Professors:

1. Agelaki Sofia, Associate Professor of Pathological Oncology
2. Agouridakis Panagiotis, Associate Professor of Emergency Medicine
3. Antoniou Ekaterini, Associate Professor of Respiratory Medicine
4. Vakis Antonios, Associate Professor of Neurosurgery
5. Vaporidi Ekaterini, Associate Professor of Intensive Care
6. Venichaki Maria, Associate Professor of Clinical Chemistry
7. Germanakis Ioannis, Associate Professor of Paediatrics with emphasis on Paediatric Cardiology
8. Grigoriou Georgia, Associate Professor of Physiology
9. Dalezios Ioannis, Associate Professor of Physiology
10. Dafnis Evgenios, Associate Professor of Nephrology
11. Detorakis Efstathios, Associate Professor of Ophthalmology
12. Drakos Elias, Associate Professor of Pathological Anatomy
13. Ioannou Christos, Associate Professor of Vascular Surgery
14. Kalogeraki Alexandra, Associate Professor of Cytology
15. Kalpadaki Christina, Associate Professor of Laboratory Hematology
16. Kaba Maria Eleni, Associate Professor of Laboratory Endocrinology

17. Karamanou Marianna, Associate Professor of History of Medicine
18. Kondili Eumorphia, Associate Professor of Intensive Medicine
19. Koukouraki Sofia, Associate Professor of Nuclear Medicine
20. Koutsopoulos Anastasios, Associate Professor of Pathological Anatomy
21. Kofteridis Diamantis, Associate Professor of General Internal Medicine - Infectiology
22. Kritsotakis Evangelos, Associate Professor of Biostatistics
23. Kryger Sabine, Associate Professor of Dermatology
24. Lazopoulos Georgios, Associate Professor of Cardiothoracic Surgery
25. Mazonakis Michael, Associate Professor of Medical Physics
26. Mamoulakis Charalambos, Associate Professor of Urology
27. Maris Thomas, Associate Professor of Medical Physics
28. Basta Maria, Associate Professor of Psychiatry
29. Notas Georgios, Associate Professor of Laboratory Medicine
30. Papaioannou Alexandra, Associate Professor of Anaesthesiology
31. Papakwstanti Evangelia, Associate Professor of Biochemistry
32. Perisynakis Konstantinos, Associate Professor of Medical Physics
33. Pontikoglou Charalambos, Associate Professor of Hematology
34. Prokopakis Emmanuel, Associate Professor of Otolaryngology (ENT)
35. Raisaki Maria, Associate Professor of Paediatric Radiology
36. Raos Vasilios, Associate Professor of Physiology
37. Romanos Ioannis, Associate Professor of Surgical Oncology
38. Siganos Charalambos, Associate Professor of Ophthalmology
39. Sidiropoulos Prodromos, Associate Professor of Rheumatology
40. Skalidis Emmanuel, Associate Professor of Cardiology - Hemodynamics
41. Skoulika Efstathia, Associate Professor of Clinical Bacteriology with particular interest in Molecular Microbiology
42. Souglakos Ioannis, Associate Professor of Pathological Oncology
43. Soumaki Evgenia, Associate Professor of Child Psychiatry
44. Schiza Sophia, Associate Professor of Respiratory Medicine
45. Tsiaousis Ioannis, Associate Professor of Anatomy
46. Chamilos Georgios, Associate Professor of Clinical Microbiology – Microbial Pathogenesis
47. Charalabopoulos Ioannis, Associate Professor of Pharmacology
48. Chlouverakis Gregorios, Associate Professor of Biostatistics

### 2.3 Assistant Professors:

1. Vergadi Eleni, Assistant Professor of Paediatrics
2. Vrekousis Thomas, Assistant Professor of Obstetrics and Gynecology
3. Zaganas Ioannis, Assistant Professor of Neurology
4. Zafeiropoulos Alexandros, Assistant Professor of Clinical Virology - Extracellular Biology
5. Elia Stavroula, Assistant Professor of Intensive Care for Children
6. Eliopoulos Ioannis, Assistant Professor of Molecular Biology - Bioinformatics
7. Kalaitzakis Evangelos, Assistant Professor of Gastroenterology
8. Karatzanis Alexandros, Assistant Professor of Otolaryngology (ENT)
9. Kranioti Elena, Assistant Professor of Forensic Medicine
10. Lasithiotakis Konstantinos, Assistant Professor of Surgery
11. Baritaki Stavroula, Assistant Professor of Experimental Oncology
12. Bertsiadis Georgios, Assistant Professor of Rheumatology - Clinical Immunology
13. Nikitovic-Janakaki Dragan, Assistant Professor of Histology - Embryology
14. Xekuki Friday, Assistant Professor of Endocrinology
15. Papadakis Euphresia, Assistant Professor of Radiology - Neuroradiology
16. Perdikoyannis Chrysoula, Assistant Professor of Pediatrics
17. Spanaki Cleo, Assistant Professor of Neurology



18. Counsellakis Emmanuel, Assistant Professor of Primary Health Care
19. Tzatzarakis Emmanuel, Assistant Professor of Toxicology
20. Tosunidis Theodoros, Assistant Professor of Orthopaedics - Traumatology
21. Tsiligianni Ioanna, Assistant Professor of Social Medicine
22. Filippatos Theodosios, Assistant Professor of Pathology
23. Hatzi Vaia Leda, Assistant Professor of Epidemiology - Nutrition
24. Hatzidakis Eleftheria, Assistant Professor of Neogenosy
25. Psaroulaki Anna, Assistant Professor of Microbiology - Anthroozoonosos

## **2.4 Emeritus Professors:**

1. Savvaki Eleni, Professor of Physiology
2. Kastanas Ilias, Professor of Laboratory Endocrinology
3. Briasoulis Georgios, Professor of Intensive Care for Children
4. Samonis Georgios, Professor of Internal Medicine with emphasis on infections
5. Stournaras Christos, Professor of Biochemistry
6. Vardas Panagiotis, Professor of Cardiology
7. Philalithis Anastasios, Professor of Social Medicine - Health Planning
8. Savvakis Charalambos, Professor of Molecular Biology - Molecular Medicine
9. Alexandrakis Michael, Professor of Hematology
10. Kouroumalis Elias, Professor of Gastroenterology
11. Georgoulis Vasilios, Professor of Oncology
12. Mantzourani Evangelia, Professor of Paediatrics
13. Pallikaris Ioannis, Professor of Ophthalmology
14. Siafakas Nikolaos, Professor of Respiratory Medicine
15. Sofras Frangiskos, Professor of Urology
16. Sadidos Dimitrios, Professor of Virology
17. Margioris Andreas, Professor of Clinical Chemistry
18. Karkavitsas Nikolaos, Professor of Nuclear Medicine
19. Stathopoulos Efstathios, Professor of Pathological Anatomy
20. Askitopoulou Eleni, Professor of Anesthesiology
21. Plaitakis Andreas, Professor of Neurology
22. Gourtsoyannis Nikolaos, Professor of Radiology
23. Chelidonis Emmanuel, Professor ENT
24. Zannis Vasilios, Professor of Biochemistry
25. Tselentis Ioannis, Professor of Parasitology of Zoonosis of Geographical Medicine
26. Delidis Georgios, Professor of Pathological Anatomy
27. Kafatos Antony, Professor of Nutrition
28. Eliopoulos Georgios, Professor of Hematology
29. Markakis Evangelos, Professor of Neurosurgery
30. Manousos Orestis, Professor of Gastroenterology
31. Fioretto Michael, Professor of Social and Family Medicine
32. Dretakis Emmanuel, Professor of Orthopaedics

## **2.5 Honorary Professors:**

1. Jordan Virgil Craig Jordan, Professor of Pharmacology and Director of Medical Research at Fox Chase Cancer Centre, USA
2. Anthony Mundy, Professor of Urology at the University of London
3. Charle Balch, Professor of Surgery, Oncology & Dermatology at Johns Hopkins University School of Medicine
4. David Kayhat, Professor of Medical Oncology at the Medical School at the University of Paris VI (France) and Director at the Service of Medical Oncology at Pitie-Salpetriere Hospital, Paris
5. Andrea Adam, Professor of Interventional Radiology at London University

6. Dimitrios Michaelides, Reader and Honorary Consultant at the Department of Clinical Biochemistry Royal Free Hospital campus, University College London Medical School, University of London.
7. Christian de Montlibert, Emeritus Professor University of March Bloch Strasbourg
8. Florian Lang, Department of Physiology Eberhard-Karls-University of Tuebingen
9. Heinrich Iro, Professor at Friedrich-Alexander University Erlangen- Nuremberg
10. Diomedes Logothetis, Professor at Virginia Commonwealth University
11. Filippos Tschlis, Professor of Hematology - Oncology at Tufts University
12. Georgios Stamatogiannopoulos, Professor of Genetic Medicine at the University of Washington, Seattle, USA
13. Christos Mantzoros, Professor of Internal Medicine at Harvard University
14. Riccardo A. Audisio, Professor at the University of Liverpool
15. Alexandros Makryiannis, Professor of Pharmacology, Chemistry and Clinical Biology, Northeastern University, United States
16. Evangelos Gragoudas, Professor of Ophthalmology at Harvard University.

## **2.6 Instruction of English Language**

1. Kiriaki Divini, Specialized Teaching Personnel

## **2.7 Staff of the School of Medicine:**

### **2.7.1 Scientific & Teaching Staff (EDIP):**

1. Alegakis Thanasis
2. Yachnakis Emmanuel, Applications of Physics and Mathematics, Engineering, Statistics and Informatics in Biomedicine and Health
3. Dermitzaki Irini, Clinical Chemistry
4. Zervou Maria, Molecular Genetics of Man
5. Kalochristianakis Michalis
6. Kabourelli Vasiliki, Medical Humanities
7. Karidi Elli
8. Konidakis Giorgos
9. Markaki Ada
10. Markatzi Irini
11. Mastrodimou Niki
12. Nirgianaki Androniki
13. Pagomenou Maria
14. Panagopoulou Sofia
15. Polioudaki Chara
16. Sarri Katerina, Physical Education & Nutrition in Public Health
17. Spyridaki Ioanna, Anatomy - Histology - Embryology
18. Tzoraki-Hatzaki Katerina
19. Tsapara Anna

### **2.7.2 Specialized Technical Laboratory Staff (ETEP),**

1. Astyrakakis Nikolaos, Division of Neurology and Sensory Organs
2. Damianaki Athena, Division of Internal Medicine
3. Delidakis Ioannis, Division of Basic Medical Sciences
4. Efedaki Niki, Division of Mother and Child Health
5. Kaloudis Konstantinos, Division of Morphology
6. Kokkinaki Evridiki, Division of Morphology
7. Kyriakakis Michalis, Division of Morphology
8. Bakogeorgou Efstathia, Division of Laboratory Medicine
9. Markaki Evanthis, Division of Radiology



10. Martimianaki Georgia, Division of Mother and Child Health
11. Xydaki Evangelia, Division of Surgery
12. Orphanaki Katerina, Division of Morphology
13. Papadakis Kyriakos, Medical School
14. Savvakis Giorgos, Division of Basic Medical Sciences
15. Skoula Irini, Division of Neurology and Sensory Organs
16. Smyrlis Stavros, Division of Neurology and Sensory Organs
17. Spyridaki Despina, Division of Social Medicine
18. Tsagaraki Maria, Medical School / Museum of Medicine

### 2.7.3 Administrative Staff

1. Valourdou Elina, Division of Basic Medical Sciences
2. Gogosis Georgios, Medical School Curator
3. Doukoumetzidi Evgenia, Secretariat of Postgraduate Studies Programmes
4. Kalatha Vaso, Department of Neurology and Sensory Organs
5. Katzilaki Eleftheria, Division of Laboratory Medicine
6. Koutsogiannaki Irini, Secretariat of the School of Medicine
7. Linardakis Emmanuel, Division of Social Medicine
8. Minadaki Chrysoula, Secretariat of Undergraduate Studies Programme
9. Moudaki Maria, Financial Service
10. Xylouri Olympia, Registrar of the School of Medicine
11. Panagou Maria, Secretariat of Postgraduate Studies Programmes
12. Perogamvraki Amalia, Secretariat of the Division of Internal Medicine
13. Skoula Maria, Secretariat of Doctoral Studies
14. Tzoraki Eleftheria, Secretariat of Undergraduate Studies Programme

### 2.7.4 Laboratory Staff

1. Kokkinaki Chrysanthi, Division of Laboratory Medicine (*Laboratory of Clinical Virology*)
2. Linardakis Manolis, Division of Social Medicine
3. Makridaki Irini, Division of Laboratory Medicine (*Laboratory of Clinical Bacteriology of Zoonoses Parasitology and Geographical Medicine*)
4. Staygiannoudakis Ioannis, Department of Neurology and Sensory Organs (*Optics and Vision Laboratory*)

## 3. BASIC STUDIES

### 3.1 Courses of Basic and Pre-Clinical Cycle of Studies and Clinical Clerkships

Courses and other educational activities, learning objectives and expected student outcomes are included in the "Undergraduate Studies Guide" which is compiled for each academic year at the end of the previous one and posted at the School's website.

In the Undergraduate Studies Programme the word "course" is used as a technical term. A course is the teaching of a part of a cognitive subject, but it can also consist of several parts of more than one cognitive subject. The course is taught during one semester and corresponds to at least one hour per week. On the contrary, the term "subject" is used in education to define specific fields of knowledge, e.g. Anatomy, Biochemistry, Internal Medicine or Surgery. Certain subjects are divided into more courses and are taught in more than one semester, e.g. Internal Medicine or Surgery.

The Programme also contains elective courses that help students study thoroughly specific cognitive areas.

The programme of studies at the Medical School comprises compulsory courses, elective courses and the clinical clerkships, which are allocated to 12 academic semesters and to the respective divisions of the School.

The courses are taught in the following three forms:

- a) Lectures, in which the instructor presents a specific subject area.
- b) Seminars and tutorials, in which the students are involved in co-presentation of a topic which they have researched under the guidance of the instructor and the relevant bibliography.
- c) Laboratory Work and Clinical Clerkships. These modules/courses aim at providing basic or clinical knowledge at the level of practical training on a specific subject.

At the discretion of the instructors, independent/complete courses, instead of just a module of a whole course, may be taught in small groups so that the students gain hands-on training on a specific subject area.

In the programme of Studies, the duration of each semester is 14 weeks for the first 4 years and 16 weeks for the 5th and 6th year.

The workload in each course is calculated according to the European Credit Transfer System (ECTS). The semester-long workload for a student is the sum of the ECTS credits of the courses they have enrolled in at the specific semester. This workload corresponds to a minimum of 30 ECTS credits for each semester (with a maximum number of 34 ECTS credits if the student has signed up in elective courses, after the 1st semester).

A student's semester-long ECTS workload may be increased in case they need to register for resits in failed exams or retakes of successful exams for grade improvement. In the latter case, students may get only one attempt per course exam.

Students may enrol in free Elective Courses, that is courses offered by other Departments of the University of Crete. Such courses, if taken, are recorded in the student's official transcript of studies, but are not calculated in the grade point average of their degree.

The courses and clinical clerkships syllabi can be accessed in the Undergraduate Studies Guide, on the School's website. The detailed course descriptions include the course code and type (compulsory or elective), the semester in which it is taught, the course's ECTS credits, course goals and learning objectives, course content and assessment methods.

In the Programme, there are no prerequisite courses, other than those required to enter the Clinical Clerkships.

### **Clinical Clerkships (Duration and Structure)**

The primary goals of the Clinical Clerkship programme are the deepening and enrichment of theoretical knowledge and the development of core clinical skills and experience. In parallel, emphasis is placed on developing insights into professional values and behaviours, with respect towards the patient being at the core. Further, strict adherence to the medical confidentiality and professional conduct principles towards colleagues and nursing staff are also developed and practiced.

The Clinical Clerkship programme lasts 64 Weeks and it is divided into four groups of strictly scheduled Clinical Rotations, namely Group A, Group B, Group C and Group D.

The clinical clerkships in Groups A and B have to be taken in the 5th year, semesters 9 and 10 respectively.

The clinical clerkships in Groups C and D have to be taken in the 6th year, semesters 11 and 12 respectively.

Fifth- year students cannot start their clinical programme with 6th year rotations and vice versa. The four (4) Clinical Clerkship groups are as follows:

#### **Group A**

**Clinical Clerkship in Internal Medicine.** The Clinical Clerkship in Internal Medicine lasts 16 weeks and must include:

- a) Internal Medicine: 4 weeks.
- b) Cardiology: 4 weeks.
- c) Respiratory Medicine: 4 weeks.
- d) Elective clerkship of 4 weeks' duration in one of the following:
  - Haematology,

- Gastroenterology,
- Dermatology,
- Endocrinology,
- Nephrology,
- Medical Oncology,
- Rheumatology.

### **Group B**

**Clinical Clerkship in Surgery.** The Clinical Clerkship in Surgery lasts 16 weeks and must include:

- a) General Surgery / Surgical Oncology: 8 weeks.
- b) Orthopaedics: 4 weeks.
- c) Elective clerkship of 4 weeks 'duration in one of the following:
  - Vascular surgery,
  - Anaesthesiology,
  - Thoracic surgery,
  - Critical / Intensive care
  - Paediatric surgery,
  - Urology.

### **Group C**

- a) The Clinical Clerkship in Paediatrics lasts 8 weeks and must include:
  - General Paediatrics: 5 weeks,
  - Specialized Outpatients Paediatrics Departments: 1 week,
  - Haematology / Oncology: 1 week,
  - Neonatal Unit / Paediatric ICU: 1 week.
- b) The Clinical Clerkship in Gynaecology and Obstetrics lasts 5 weeks.
- c) The Clinical Clerkship in Accident and Emergency Medicine lasts 3 weeks.

### **Group D**

- a) Clinical Clerkship in Neurology: 4 weeks.
- b) Clinical Clerkship in Psychiatry: 4 weeks.
- c) Clinical Clerkship in Primary Health Care (PHC): 4 weeks.
- d) Clinical Clerkship in Ophthalmology: 2 weeks.
- e) Clinical Clerkship in Otorhinolaryngology (ENT): 2 weeks.

### **Conditions for enrolment in clinical rotations**

Before entering the Clinical Clerkships programme in the 9<sup>th</sup> semester, the students are required to have successfully completed the Pathophysiology A and B courses and also 10 of the following 16 General Prerequisite courses. In addition, the students are required to have successfully completed the corresponding special prerequisite course(s) per clinical clerkship.

### **General prerequisite courses:**

- 1) Biology A
- 2) Biology B
- 3) Biochemistry A
- 4) Biochemistry B
- 5) Physiology A
- 6) Physiology B
- 7) Physiology C
- 8) Topographic Anatomy A
- 9) Topographic Anatomy B
- 10) Musculoskeletal Anatomy
- 11) Neuroanatomy
- 12) Histology A
- 13) Histology B
- 14) General Pathology
- 15) Systemic Pathology A

## 16) Systemic Pathology B

### **Special prerequisite courses**

#### **1) Clinical Clerkship in Internal Medicine**

Introduction to Clinical Medicine, Radiology A and one of the two Internal Medicine courses (A or B).

#### **2) Clinical Clerkship in Surgery**

Preparatory Surgery, Radiology A and Surgery A.

#### **3) Clinical Clerkship in Paediatrics / Gynaecology and Obstetrics**

Paediatrics, Obstetrics and Gynaecology and Radiology A.

#### **4) Clinical Clerkship in Neurology, Psychiatry, ENT, Ophthalmology**

Radiology A and 3 of the following 4 courses: Neurology, Psychiatry, ENT, Ophthalmology.

#### **5) Clinical Clerkship in Primary health Care (P.H.C.)**

Epidemiology-Public Health and Radiology A.

The clinical clerkships programme does not take place during the examination periods.

The special prerequisite courses are examined in all three examination periods. If a student has not fulfilled the prerequisite requirements for his/her clinical rotations group, they cannot attend the clerkship of the regular semester and prepare to continue with his/her (same) group in the next semester in the next clinical clerkship.

### **Circular rotation of groups**

The 5th and 6th year students are divided into two groups, which will alternately attend in the clinical rotations as follows:

#### 5th year Winter semester

Group A Clinical Clerkship (Internal Medicine) students with an even registration number.

Group B Clinical Clerkship (Surgery) students with a single registration number.

#### 6th year Winter semester

Group C Clinical Clerkship (Paediatrics and Obstetrics) students with an even registration number.

Group D Clinical Clerkship (Various clinics) students with a single registration number.

The list of descriptions of all the courses offered by the USP is available on the website of the School ([Undergraduate](#)), where students can find details about the title, the code, the semester of study, the content, the subject material, the teaching hours per week and the weight in European credits of compulsory and elective courses as well as of clinical exercises.

**The brief undergraduate studies programme, with the compulsory and the elective courses as well as the clinical clerkships, is as follows:**

## Indicative Medical Curriculum

### COMPULSORY COURSES

1 <sup>st</sup> Semester	T.H.C.	ECTS
MS1.1 Anatomy of Musculoskeletal System	50	7
MS1.2 Biology A	50	7
MS 1.3 Introduction to Public Health	30	2
MS 1.4 Epistemology & History of Medicine	16	2
MS 1.5 Medical Physics	55	6
MS 1.6 Chemistry	56	6
<b>Totalo</b>	<b>257</b>	<b>30</b>

2 <sup>nd</sup> Semester	T.H.C.	ECTS
MS Biology B	50	6
2.1		
MS Biostatistics	46	4
2.2		
MS Biochemistry A	50	6
2.3		
MS Neuroanatomy	46	5
2.4		
MS Physiology A	50	7
2.5		
<b>Total</b>	<b>242</b>	<b>28</b>

3 <sup>rd</sup> Semester	T.H.C.	ECTS
MS 3.1 Basic Immunology	30	2
MS 3.2 Biochemistry B	60	6
MS 3.3 Embryology A	14	2
MS 3.4 Histology A	46	4
MS 3.5 Topographic Anatomy A	60	7
MS 3.6 Physiology B	50	7
<b>Total</b>	<b>260</b>	<b>28</b>

4 <sup>th</sup> Semester	T.H.C.	ECTS
MS General Pathology	50	5
4.1		
MS Embryology B	14	2
4.2		
MS Histology B	46	3
4.3		
MS Microbiology A	60	5
4.4		
MS Topographic Anatomy B	60	6
4.5		
MS Physiology C	50	7
4.6		
<b>Total</b>	<b>280</b>	<b>28</b>

5 <sup>th</sup> Semester	T.H.C.	ECTS
MS 5.1 Systemic Pathology A.	36	3
MS 5.2 Laboratory Medicine	40	5
MS 5.3 Microbiology B	60	5
MS 5.4 Molecular Medicine	30	2
MS 5.5 Pathophysiology A	60	7
MS 5.6 Pharmacology A	60	6
<b>Total</b>	<b>286</b>	<b>28</b>

6 <sup>th</sup> Semester	T.H.C.	ECTS
IΣ 6.1 Radiology A- Medical Imaging	30	2
IΣ 6.2 Systemic Pathology B	36	3
IΣ 6.3 Epidemiology-Public Health	30	2
IΣ 6.4 Pathophysiology B	60	7
IΣ 6.5 Introduction to Clinical Medicine	45	4
IΣ 6.6 Introduction to Surgery	30	3
IΣ 6.7 Toxicology	16	2
IΣ 6.8 Pharmacology B	45	5
<b>Total</b>	<b>292</b>	<b>28</b>

7 <sup>th</sup> Semester	T.H.C.	ECTS
IΣ 7.1 Radiology-Medical Imaging B	46	4

8 <sup>th</sup> Semester	T.H.C.	ECTS
MS Anaesthesiology	20	2
8.1		

ΙΣ 7.2	Neurology	50	4
ΙΣ 7.3	Orthopaedics	30	3
ΙΣ 7.4	Urology	20	2
ΙΣ 7.5	Internal Medicine A	80	8
ΙΣ 7.6	Surgery A	50	4
ΙΣ 7.7	Psychiatry	46	3
Total		322	28

MS 8.2	Intensive Care Medicine	16	2
MS 8.3	Emergency Medicine	16	2
MS 8.4	Obstetrics and Gynecology	40	3
MS 8.5	Ophthalmology	16	2
MS 8.6	Paediatrics	60	4
MS 8.7	Internal Medicine B	80	8
MS 8.8	Surgery B	40	3
MS 8.9	ENT	20	2
Total		308	28

9 <sup>th</sup> -12 <sup>th</sup> Semester				
11 <sup>th</sup> Semester		T.H.C.	ECTS	
MS 11.1	Forensic Medicine – Medical Ethics	30	2	
9 <sup>th</sup> -12 <sup>th</sup> Semester			T.H.C	CTS
MSCL. A	Clinical Clerkship in Internal Medicine	16	28	
MS CL. B	Clinical Clerkship in Surgery	16	28	
MS CL. C1	Clinical Clerkship in Paediatrics	8	14	
MS CL. C2	Clinical Clerkship in Obstetrics/ Gynaecology	5	9	
MSCL. C3	Clinical Clerkship in Emergency Medicine	3	5	
MSCL. D1	Clinical Clerkship in Neurology	4	7	
MSCL. D2	Clinical Clerkship in Psychiatry	4	7	
MSCL. D3	Clinical Clerkship in Primary Health Care	4	7	
MSCL. D4	Clinical Clerkship in Ear, Nose and Throat	2	4	
MSCL. D5	Clinical Clerkship in Ophthalmology	2	3	



## ELECTIVE COURSES

SECOND SEMESTER			
Courses		T.H.C.	E.C.T.S.
MS 2.6	Medical English	30	2
MS 2.7	Medicine and the Humanities (Lectures in the Museum of Medicine)	16	2
MS 2.8	Mathematical Biology	30	3

THIRD SEMESTER			
Courses		T.H.C.	E.C.T.S.
MS 3.7	Nutrition	16	2
MS 3.8	Introduction to Bioinformatics	16	2
MS 3.9	Compassion in Clinical Care	16	2

FOURTH SEMESTER			
Courses		T.H.C.	E.C.T.S.
MS 4.7	Cancer Immunology	16	2
MS 4.8	Evidence Based Medicine & Clinical Decision Analysis	16	2
MS 4.9	Basic Principles of Programming	30	2

FIFTH SEMESTER			
Courses		T.H.C.	E.C.T.S.
MS 5.7	Radiological Anatomy	16	2
MS 5.8	Basic Principles of Oncogenic Process	16	2
MS 5.9	Medical Informatics	16	2
MS 5.10	English Medical Terminology	30	2
MS 5.11	Molecular Basis of Development and Dysfunction of the Nervous System	16	2

SIXTH SEMESTER			
Courses		T.H.C.	E.C.T.S.
MS 6.9	Basic Principles of Electrocardiogram (ECG)	30	2
MS 6.10	Cellular Communication and Human Diseases	16	2
MS 6.11	Cytology	16	2
MS 6.12	Physiology and Pathophysiology of Haemopoiesis	16	2

SEVENTH SEMESTER			
Courses		T.H.C.	E.C.T.S.
MS 7.8	Basic Research in Medicine	16	2

<b>MS 7.9</b>	<b>Neonatal Surgery</b>	<b>16</b>	<b>2</b>
<b>MS 7.10</b>	<b>Neurosurgery</b>	<b>30</b>	<b>2</b>
<b>MS 7.11</b>	<b>The Human Microbiome - From basic research to clinical application</b>	<b>16</b>	<b>2</b>

#### **EIGHTH SEMESTER**

<b>Courses</b>		<b>T.H.C.</b>	<b>E.C.T.S.</b>
<b>MS 8.10</b>	<b>Hemodynamic Pathophysiology of Vascular Diseases and Principles in Non-invasive Vascular Diagnostics</b>	<b>16</b>	<b>2</b>
<b>MS 8.11</b>	<b>Andrology</b>	<b>16</b>	<b>2</b>
<b>MS 8.12</b>	<b>Patient-centered care: Concepts and Principles</b>	<b>30</b>	<b>2</b>
<b>MS 8.13</b>	<b>Oral and maxillofacial surgery</b>	<b>16</b>	<b>2</b>

#### **NINTH SEMESTER**

<b>Courses</b>		<b>T.H.C.</b>	<b>E.C.T.S.</b>
<b>MS 9.1</b>	<b>Principles of Rational Use of Antibiotics</b>	<b>16</b>	<b>2</b>
<b>MS 9.2</b>	<b>Ethics in BioMedicine</b>	<b>16</b>	<b>2</b>
<b>MS 9.3</b>	<b>Gynaecological Endocrinology -In Vitro Fertilization</b>	<b>16</b>	<b>2</b>
<b>MS 9.4</b>	<b>Virtual Laboratory of Paediatric Cardiology</b>	<b>16</b>	<b>2</b>
<b>MS 9.5</b>	<b>Metabolic Diseases</b>	<b>16</b>	<b>2</b>
<b>MS 9.6</b>	<b>Acute and chronic pain</b>	<b>16</b>	<b>2</b>
<b>MS 9.7</b>	<b>Pathophysiology of Gastrointestinal Motility</b>	<b>16</b>	<b>2</b>
<b>MS 9.8</b>	<b>Musculoskeletal System Trauma</b>	<b>16</b>	<b>2</b>

#### **TENTH SEMESTER**

<b>Courses</b>		<b>T.H.C.</b>	<b>E.C.T.S.</b>
<b>MS 10.1</b>	<b>Athletic Injuries Imaging</b>	<b>16</b>	<b>2</b>
<b>MS 10.2</b>	<b>Emergency Paediatrics and Intensive Care</b>	<b>16</b>	<b>2</b>
<b>MS 10.3</b>	<b>Interventional Radiology</b>	<b>16</b>	<b>2</b>
<b>MS 10.4</b>	<b>Clinical Alcoholology</b>	<b>16</b>	<b>2</b>
<b>MS 10.5</b>	<b>Clinical and Laboratory Investigation of Common Clinical Problems</b>	<b>16</b>	<b>2</b>
<b>MS 10.6</b>	<b>Family Planning</b>	<b>16</b>	<b>2</b>
<b>MS 10.7</b>	<b>Spine conditions and disorders</b>	<b>16</b>	<b>2</b>
<b>MS 10.8</b>	<b>Paediatric Haematology- Oncology</b>	<b>16</b>	<b>2</b>
<b>MS 10.9</b>	<b>Neonatology</b>	<b>16</b>	<b>2</b>
<b>MS 10.10</b>	<b>Child &amp; Adolescent Psychopathology</b>	<b>16</b>	<b>2</b>

<b>ELEVENTH SEMESTER</b>			
<b>Courses</b>		<b>T.H.C.</b>	<b>E.C.T.S.</b>
<b>MS 11.2</b>	<b>Professional development</b>	<b>16</b>	<b>2</b>
<b>MS 11.3</b>	<b>Therapeutic Strategies of Neoplastic Diseases</b>	<b>16</b>	<b>2</b>
<b>MS 11.4</b>	<b>Cardiothoracic Surgery</b>	<b>16</b>	<b>2</b>
<b>MS 11.5</b>	<b>Pediatric Infections</b>	<b>16</b>	<b>2</b>
<b>MS 11.6</b>	<b>Pediatric Pharmacology</b>	<b>16</b>	<b>2</b>

<b>TWELFTH SEMESTER</b>			
<b>Courses</b>		<b>T.H.C.</b>	<b>E.C.T.S.</b>
<b>MS 12.1</b>	<b>Emergency Care</b>	<b>16</b>	<b>2</b>
<b>MS 12.2</b>	<b>Clinical Ethics Issues</b>	<b>16</b>	<b>2</b>

### CLINICAL CLERKSHIPS - SEMESTERS: NINTH, TENTH, ELEVENTH AND TWELFTH

<b>CLINICAL ROTATIONS</b>	<b>THC</b>	<b>WEEKS</b>	<b>ECTS</b>
<b>GROUP A</b>			
<b>MSCL. PATHOLOGY A</b>	<b>640</b>	<b>16</b>	<b>28</b>
<b>Clinical Rotation in Internal Medicine</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>Clinical Rotation in Cardiology</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>Clinical Rotation in Respiratory Medicine</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>Elective Clinical Rotation</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>GROUP B</b>			
<b>MSCL. SURGERY B</b>	<b>640</b>	<b>16</b>	<b>28</b>
<b>General Surgery /Surgical Oncology</b>	<b>320</b>	<b>8</b>	<b>14</b>
<b>Clinical Rotation in Orthopaedics</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>Elective Clinical Rotation</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>GROUP C</b>			
	<b>640</b>	<b>16</b>	<b>28</b>
<b>MS CL. C 1 Clinical Rotation in Paediatrics</b>	<b>320</b>	<b>8</b>	<b>14</b>
<b>MS CL. C 2 Clinical Rotation in Obstetrics/Gynaecology</b>	<b>200</b>	<b>5</b>	<b>9</b>
<b>MS CL. C 3 Clinical Rotation in Accident and Emergency Department</b>	<b>120</b>	<b>3</b>	<b>5</b>

<b>GROUP D</b>			
	<b>640</b>	<b>16</b>	<b>28</b>
<b>MS CL. D 1 Clinical Rotation in Neurology</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>MS CL. D 2 Clinical Rotation in Psychiatry</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>MS CL. D 3 Clinical Rotation in Primary Health</b>	<b>160</b>	<b>4</b>	<b>7</b>
<b>Care</b>	<b>80</b>	<b>2</b>	<b>4</b>
<b>MS CL D 4 Clinical Rotation in ENT</b>	<b>80</b>	<b>2</b>	<b>3</b>
<b>MS CL.D 5 Clinical Rotation in Ophthalmology</b>			

## 3.2 Registrations – Examinations

Students must enrol in each semester of studies, electronically, on the specified dates and declare the courses and clinical clerkships of the semester, as well as any of the courses offered that they owe from previous semesters and intend to take exams on.

Students who do not enrol in the courses do not appear in the course grade list and their grade cannot be recorded.

The assessment of students' performance in each course is by written or/and oral exams. Assessment methods and grade assignment is at the discretion of the course instructor. This information is further detailed in each course's syllabus which can be accessed in the School's Study Guide, on the School's website.

The instructors post the course presentation or notes or additional material on a special website (<https://elearn.uoc.gr>).

The instructors may conduct, if they so wish and be able to, progress examinations or use alternative ways of assessing students' progress (assignments, etc.) provided that the teaching of other subjects is not disrupted. Courses with 4 ECTS or more are exclusively entitled of a progress examination procedure. Students are considered to have passed a course as long as they have successfully participated in all course progress examinations that take place within the semester of the specific academic year. In these cases the final grade includes the student's performance in the progress exams, assignments, etc.

The exams are conducted only within the dates set by the General Assembly of the School according to the Academic Calendar.

The dates of the progress exams should be announced by the course leader at the beginning of the respective semester so that the students can be adequately prepared. Two progress exams should be offered during each semester, one in the middle of the semester (on a Friday or Monday) and one at the end of the semester (on the last Friday before the proper exams period begins).

Students who have completed the full-time study period, which is equal to the minimum number of semesters required for the award of the degree, according to the indicative programme of study, have the opportunity to be re-examined in the examination periods of both winter and spring semesters of each academic year in all courses they have failed, whether these are taught in winter or spring semesters.

Courses that are special prerequisites of the clinical exercises are examined in all 3 examination periods.

The exam schedule is permanent. Changes in the specified dates of the examination program are possible after a decision of the School's Governing Bodies or the Dean.

The students who are entitled to participate in the exams are the students who: a) meet the relevant conditions to enroll in the courses, b) have registered in their courses on the Student Web and c) have electronically applied (<https://elearn.uoc.gr>) to participate in the exams at the Secretariats of the School's Divisions.

Whether a student fulfils the enrolment criteria for the semester's clinical clerkships is verified after the end of the examination period.

The Secretariat attends to the announcement of all the issues related to the conduct of the examinations, which are posted on the electronic board of the School at <http://bb.med.uoc.gr> and on the Student Web.

Oral examinations are carried out at a place and at a time that is announced in advance.

The exam grades are announced by the Departmental Secretariats after the end of the exams.

Instructors post the final grade of the course on the classweb 15 days after the final exam at the latest.

### 3.3 Grading system

The grading system is on a scale from 0 to 10. The highest grade in a course is ten (10) and the passing grade is five (5). This system is applied in the courses and in the degree and is classified as follows:

**Excellent:** from 8.50 to 10

**Very Good:** from 6.50 to 8.49

**Good:** from 5 to 6.49

A grade lower than 5 indicates unsuccessful performance in a course.

### 3.4 Grade Improvement

Students who have the right for re-assessment can resit a course's exam only once and only the last grade is awarded. Re-assessment is conducted upon current teaching material and corresponds to the ECTS of the current Undergraduate Studies Programme.

### 3.5 Calculation of Average Degree Grade and Graduation Ranking

The degree grade is calculated based on the courses used to complete the 360 ECTS to obtain a degree. If students have successfully completed more elective courses than the ones required, those with the highest grades are taken into consideration. The remaining courses, ie those in which the student has the lowest grades, are not taken into account for calculating the degree's grade point average but appear in the official transcript and in the diploma annex. In all cases the calculation and comparison of grades is done after the points are weighted (multiplied) with the credits (ECTS) of each course.

At the students' request, a certificate of their graduation ranking can be issued.

### 3.6 Calculation of Annual Grade Point Average

At the request of the student concerned, the "annual grade point average" and the "ranking" can be calculated. These (annual and bachelor's) can be used as criteria for awarding honors, awards and scholarships.

### 3.7 Courses Accreditation

Any courses that a student has successfully followed at another University and Technological Educational Institute, in Greece or abroad, or during previous studies at another Department of the University of Crete (in case a student has been transferred or succeeded in placement exams, etc.) may be recognized to meet the School's graduation requirements, under certain conditions.

In detail, a student can be placed in a different semester (up to the 7th) in the following cases:

- If the Department of origin is a Department / School of Medicine, students must have passed and recognized as equivalent 2/3 of the compulsory courses of previous semesters of the study programme in the Department / School of origin.
- If the Department / School of origin is not a Medical School, 2/3 of the compulsory courses of the previous semesters of our School must have been recognized as passed.

The 5th semester in our School's studies programme is the semester of registration for Dentistry and Veterinary Medicine students, but they can be placed/enrolled in higher semesters (6<sup>th</sup> or 7<sup>th</sup>) of studies if the required courses are recognized as passed.

A student applying for course recognition/equivalence must submit to the Secretariat of the Division to which the course belongs:

- A specific application form completed in full by the interested student.



- An official transcript of the student from the Department / School of origin, which mentions the date of first enrolment, the courses and laboratory work successfully completed. Also, for each of the courses that recognition/equivalence is requested, the student should provide the following information: course type (compulsory, elective, etc.), credits (ECTS), semester in which the student successfully completed it and the grade awarded.
- Links to the official website of the Department / School of origin for the Study Guide and the website of the course, which the student requests to recognize, during the academic semester in which he/she was successfully examined. Alternatively, other official documents from the Department / School of origin describing: the course syllabus, the description of assignments, the type of exams and grading and the total estimated workload including teaching and laboratory hours.
- The textbook titles of the courses for which recognition/equivalence is requested, that were taught in the Department / School of origin.

The applications and pertinent documents are initially reviewed by the course leader and instructor(s) - who examine whether the course material taught in the Department / School of origin adequately covers the material taught in the corresponding course of our School.

The applications are then submitted to the Committee of Undergraduate Studies that forwards their proposal on the matter to the General Assembly of the School. The latter decides on the final approval or not of the request for recognition/equivalence of the course.

The recognized courses are recorded without a grade, only with the indication "Recognition/Equivalence" on the student's transcript and the courses are not calculated on the degree's grade point average.

Graduates from Universities and Higher Technological Institutions who enter the School of Medicine after succeeding in placement exams, have their grades officially recorded in the student's transcript of records in all courses that they have been successfully examined. They are obliged to retake exams on the courses they have failed.

### 3.8 Course Evaluation

Each course is evaluated by the students at the end of the semester. Information about the course evaluation process is provided on the website of the Quality Assurance Unit (Q.A.U.) of the University of Crete: <https://www.modip.uoc.gr/el/content/assessment>.

The results of the evaluation are sent to the course coordinator and they are taken into account by the School's Undergraduate Studies Committee, the School's Internal Evaluation Group and the Q.A.U. of the Academic Institution. In addition, the students of the School of Medicine will be asked, before graduation, to make an overall evaluation of the study programme, which aims to improve the quality of education provided.

### 3.9 Requirements for Graduation

The requirements for obtaining a degree in the School of Medicine are the following:

- Enrolment at the School and course attendance for at least twelve (12) semesters.
- Successful completion of all compulsory courses of a total workload of 226 ECTS credits.
- Successful completion of all clinical clerkships of a total workload of 112 ECTS credits.
- Successful completion of elective courses of a total workload of at least 22 ECTS credits.
- Completion of at least three hundred and sixty (360) ECTS credit load in total.

Students may exceed the required 360 ECTS credit load if they have taken more elective courses. In this case, these courses will appear in the official transcript and in the Degree Supplement but the grades received in them will not be calculated in the grade point average of their degree.

Upon Graduation, the following are automatically issued for all the graduates of the School of Medicine: 1) degree certificate in the form of a Papyrus, 2) four (4) copies of the degree certificate, 3) Diploma Supplement in Greek and English, 4) certificate of graduation/ certificate of completion of studies, 5) official transcript, 6) Certificate of Military Recruitment for male students.

## 4. Student Mobility

Details for student mobility in the School of Medicine are thoroughly described in the Mobility Regulation, which is an integral part of the School of Medicine Undergraduate Studies Programme Regulation.

### A. Student Mobility for clinical clerkships through the Erasmus program.

The Medical School actively participates in the ERASMUS Programme of the University of Crete for the mobility of undergraduate and postgraduate students, having secured collaboration with a number of recognized Universities abroad.

Since the first year of study, medical students are informed about the great importance and benefits of exchanges in their future career and are encouraged to seek the opportunity to spend a part of their studies in Universities and University Hospitals abroad.

Medical students can travel to partner Universities and Hospitals in EU member states, through the Erasmus+ programme either for studies or for traineeship, depending on the collaboration of the Medical School with its respective partner in Europe. They can attend a series of clinical clerkships abroad, where they are assessed in the same manner with the students of the respective Host Institution.

The Medical School follows the Erasmus programme regulations, fully recognizing the number of credits (ECTS) that students bring upon their return. Similarly, the students' grades are recognized by the Erasmus academic Coordinator of the Medical School of UoC.

Students completing a clinical clerkship at a University Hospital abroad under the Erasmus+ programme have the right to full recognition of their clinical rotations, regardless of their duration in weeks. In order for this to be the case, clinical clerkships of Erasmus students should have the same duration as of respective students' at the Host Institution.

Students are advised to avoid attending clinical clerkships of a different semester or year than the one they are currently attending. In exceptional cases, clinical clerkships of another semester may be included, if there is by fact and proven by the Institution's correspondence, no other possibility at the Host Institution.

**Requirements for students' participation in the above program are the following:**

- a) Successful completion of the **General and Special Pre-requisite Courses**, as they are defined above in the School's Undergraduate Studies Programme.

Students who wish to participate in the Erasmus+ programme during the 5th or 6th year of studies are required to have completed all prerequisite courses, by the end of the spring semester examinations or by July 15 (whichever comes first) of the academic year preceding their mobility.

- b) **A Language level** equal or higher than B2 (1.5 points) or equal to B1 (0 points) in the language of the host Institution or the language of instruction according to the agreement with the specific institution. In countries where language proficiency is not a prerequisite e.g. Spain or Portugal, an A2 language level certificate is required at the time of application. Additional language-learning classes can be provided through the Erasmus+ OLS (Online Linguistic Support) system.

In the absence of a certified language degree, there is the possibility of proving language proficiency in the Exchange Committee.

Students can participate in the Erasmus Programme after having met the criteria set by the Exchange Committee of the School of Medicine (webpage / student affairs - Erasmus) in accordance with the Greek Erasmus+ Programme National Agency (IKY) guidelines.

## **B. Clinical clerkships in Crete, outside Crete, outside Greece and outside the Erasmus framework.**

Students can carry out their clinical clerkship in another Hospital of Crete or University Hospital of Greece or abroad, outside the ERASMUS+ framework, under the following conditions / procedure: Students of the last two years (5th and 6th) can carry out clinical rotations outside the School of Medicine for a total of 16 weeks. Clinical clerkships outside the School of Medicine cannot last less than 4 weeks or more than 8 weeks per semester.

### **Procedure:**

- Students have to meet the School Regulation conditions (prerequisite courses) in order to attend clinical clerkships abroad. The secretary of the corresponding Division, reviews the necessary requirements in collaboration with the Medical School Undergraduate Studies coordinator.

- All applicants have to contact the Secretariat of the Division that the clinical clerkships belong to. A request is then sent to the University Host Institution asking for the student's admission. If the student is accepted, application is approved by the Head of the specific Clinical Clerkship.

The secretary of the respective Division submits the student's request to the Committee of Undergraduate Studies at least one (1) month before the beginning of the clinical clerkship.

After approval by the Committee of Studies, the Head of the Clinical Clerkship Group and the Exchanges Committee (if it involves a University abroad) are informed.

All students conducting clinical clerkships outside Crete are required to participate in the Group's written examinations.

In case of attending one or more clerkships abroad, all of the above apply. It is, also, recommended that students issue a European Insurance Card (if practicing in a European country) and, in general, see about their healthcare coverage in the host country.

## **C. Laboratory work in selected U.S Universities in the Boston area (Boston University, Harvard University, MIT, Tufts), for 3rd year students.**

This program includes a one-month laboratory training (July-August) of undergraduate students of the 3rd year of the Medical School of UoC in selected Universities or research centres in the Boston area of the USA. Host laboratories are selected by Heads of relevant Departments, with the help of the Emeritus Professor of the Medical School of UoC, Vassilios Zannis or other faculty members of the Medical School in coordination with the Professors / researchers who will host the students. The selection of the participating 3rd year students is made after a call for expression of interest by the Liaison Office of the School, which is posted on the Bulletin Boards of the Department of International Relations and the bulletin board of the medical School. Students are selected based on their grade point average and under two specific requirements: 1) a grade equal to or greater than 9/10 in the course of Molecular Medicine, 2) successful examination in the basic courses Biology A and B as well as Biochemistry A and B. Each call for expression of interest is accompanied by an application form. Students send the completed application form along with an official transcript of records to the Liaison Office e-mail address. The classification of students is done by an ad hoc three-member committee consisting of faculty members of the Medical School and the Programme Coordinator, Prof. D. Kardassis. The minutes of the committee meeting are sent to the General Assembly of the Medical School for approval. Participating students are eligible to receive a grant through the project's budget upon their return and submission of a brief progress report. Scholarships are approved by the General Assembly and may be accompanied by a certificate / award with the sponsor's name.

## **D. Clinical clerkships at the Boston University Medical School, an opportunity for senior medical students.**

The specific student exchange program involves a one-month clinical clerkship of undergraduate students of the Medical School of the University of Crete at the Medical School of Boston University in the USA. Training departments are decided depending on the students' preference and upon availability in Boston University. The selection of senior students who will participate in the clinical clerkship of the next academic year is made

following a call for expression of interest by the School's Liaison Office (early spring of the current academic year) which is posted on the bulletin boards of the Department of International Relations and the bulletin board of the School of Medicine. The applicants' Grade Point Average is taken into consideration and prerequisites are:

1. Good command of English (Certificate of English language proficiency at a level of at least B2)
2. Successful completion of a) Pathophysiology A and B
3. 10 out of the 16 General Prerequisite courses that allow attendance of clinical rotations (according to the Undergraduate Studies Regulation of the School of Medicine).
4. In case applicants have the same GPA, the following are taken into account: a) the number of prerequisite courses that the student has successfully completed. b) the total number of courses successfully completed or the total number of credits.

Interested students have to send a fully completed application form and an official transcript of records to the Liaison Office e-mail address. Classification of students is done by an ad hoc three-member committee consisting of faculty members of the Medical School, under Professor D. Kardassis, the programme supervisor. The minutes of the committee meeting are sent to the General Assembly of the Medical School for approval. Participating students are eligible to receive a scholarship within the project budget upon their return and upon submission of a brief progress report. Granting of the scholarship is approved by the School General Assembly. The scholarship may be accompanied by a certificate / award in the name of the donor.

#### **E. Medical Students from other Universities to conduct clinical clerkship in our School.**

A basic requirement is a written pre-agreement between the Professors responsible of clinical clerkships of the two Universities and the approval by the Committee of Undergraduate Studies. The incoming student has to follow the exact training / evaluation program of the clinical clerkship they have requested in the same manner as the home students. All certificates of attendance / evaluation that will be given to the international student should be identical.

carries out student exchange programs abroad are also carried out by the Hellenic Medical Student International Committee (IFMSA) in accordance with their statutory principles and planning.

## **5. STUDENTS' SCHOLARSHIPS AND DISTINCTIONS**

Students can be financially supported during their studies through achievement scholarships and awards of excellence or teaching grants.

In particular, the School of Medicine secures for its students Undergraduate Scholarships of the State Scholarship Foundation (IKY) and awards or grants from private and public bodies or from individuals.

Information on academic scholarships is ongoing and is posted on the website of the Liaison Office, Employment and Career Department (DASTA) of the University of Crete.

In addition, the School of Medicine has endorsed and launched a teaching assistantship programme (teaching grants – DEPROFOIT). Selected undergraduate students are assigned the provision of auxiliary teaching work in the laboratory components of courses. The selection of an undergraduate student for the DEPROFOIT programme is considered an honorary distinction, enhancing student motivation for high academic achievement, which is a constant goal of the School for its students.