

**UNIVERSITY OF IOANNINA**  
**SCHOOL OF HEALTH SCIENCES**  
**FACULTY OF MEDICINE**

**Medical Curriculum and Study Guide**  
**AcademicYear 2019 – 2020**

**IOANNINA 2019**

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## Introduction

The current medical curriculum and study guide of the Faculty of Medicine of the School of Health Sciences at the University of Ioannina delineates the Programme of Studies for the academic year 2019-2020, as approved by the Faculty's General Assembly.

The Medical Curriculum and Study Guide is subject to review every June by the Faculty's General Assembly, based on proposals submitted by the Departments, the Programme of Studies Committee, the Internal Evaluation Team and by members of the General Assembly. It is compiled pursuant to the provisions of Articles of Law 1268/82 "Structure, operation, quality assurance of studies and internationalization of higher education" (article 24) and Law 2083/92 (article 9).

The present edition outlines the revised programme of studies put into effect since 2014-2015. Additionally, it integrates the use of ECTS credits (*based on the European Credit Transfer and Accumulation System*), which allows for an unobstructed participation in mobility and exchange Erasmus+ programmes in collaboration with other European Universities, promoting the development of international partnerships. Since 2010, the Faculty of Medicine has also become a member of the European Academic Network in Medical Education (MEDINE2) that follows up on MEDINE (Medical Education in Europe).

## Faculty of Medicine (Medical School)

Founded in 1977, the Faculty of Medicine at the University of Ioannina is one of the first regional medical schools in Greece and is a well-known research, education and health care institution. Its progress along the years, under the most adverse circumstances, is considered by many impressive and its achievements have brought it to the fore as a credible educational institution, offering high-standard health-care services and advancing new knowledge.

## Facts and figures

7 sectors

18 laboratory departments

26 clinical departments

150 Members of Academic Staff

1 Senior Teaching Staff

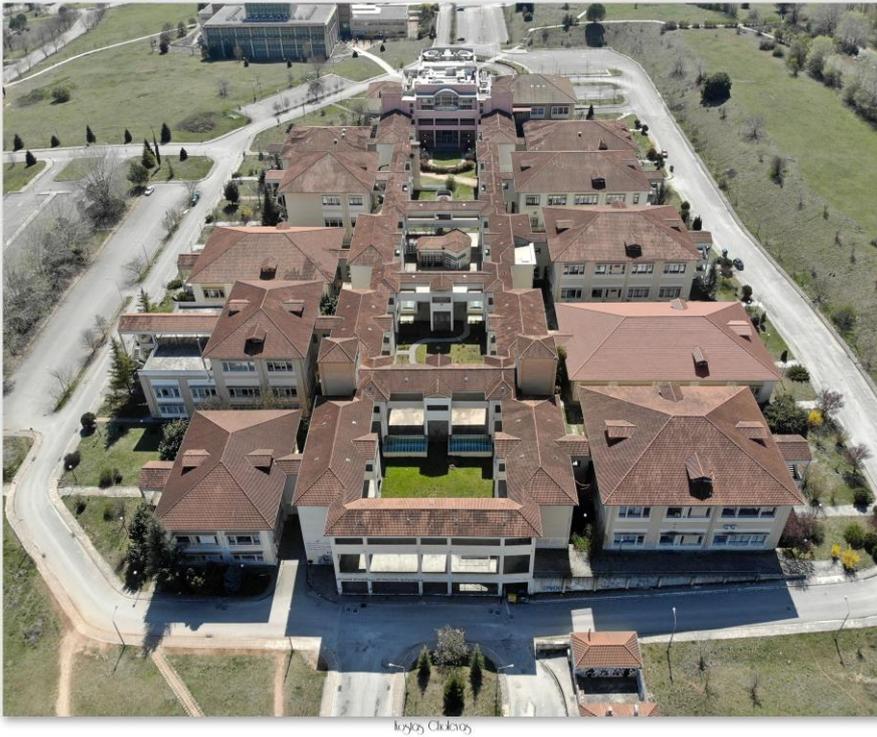
11 Laboratory Teaching Staff

19 Technical Laboratory Staff

10 members of administrative staff

640 PhD students

1433 registered undergraduate students



**Faculty of Medicine Premises**



**University General Hospital of Ioannina Premises**

## Undergraduate studies

Since 2014-2015 a new Medical Curriculum has been implemented in line with the current developments in the Medical Science. Its key features are centred on students' participation and gradual exposure to clinical experiences from the first year of studies, fostering, in parallel, and focusing on the clinical knowledge in all core courses.

Obtaining a Medicine degree requires studying for 12 semesters and successfully passing the compulsory courses and nine (9) electives, as specified in the programme of studies, having completed in the end a total of 360 ECTS. Each academic semester comprises at least thirteen (13) teaching weeks. The degree grade is calculated by adding the individual scores of all compulsory and elective courses with the relevant weighted percentages.

The Internal Regulation of the University specifies all the details regarding the type of the awarded degrees and the swearing-in ceremony. As from the academic year 2019-2020, a Diploma Supplement is issued to all graduates upon completion of their studies.

## Postgraduate programs

*Postgraduate Programmes of Study, whose administrative support is provided by the Faculty of Medicine of the University of Ioannina.*

1. **MSc Basic Biomedical Sciences**

Postgraduate Programme of Studies organised by the Faculty of Medicine of the School of Health Sciences

2. **MA (or MSc) in Molecular and Cellular Biology and Biotechnology**

Inter-institutional programme in collaboration with the Department of Biological Applications and Technologies of the School of Health Sciences, with the Department of Chemistry of the School of Sciences at the University of Ioannina and with the Institute of Molecular Biology and Biotechnology of the Foundation for Technology and Research.

3. **MSc in Adult Nursing**

Inter-departmental programme in collaboration with the Department of Nursing of the University of Ioannina.

*Postgraduate Programmes of Study, in which the Faculty of Medicine of the University of Ioannina participates as a collaborator.*

1. **MA (ή MSc) in Medical Physics - Radiation Physics**

Inter-institutional programme, organized by the Medical School of the National and Kapodistrian University of Athens in collaboration with the Faculty of Medicine of Aristotle University of Thessaloniki, the Faculty of Medicine of the Democritus University of Thrace, the Faculty of Medicine of the University of Ioannina, the Faculty of Medicine of the University of Crete and the Department of Physics of the National and Kapodistrian University of Athens in collaboration with the Greek Atomic Energy Commission and NCSR 'Democritos'.

2. **MA (or MSc) in Medical Chemistry**

Inter-departmental programme, organized by the Department of Chemistry.

**3. Master of Science (MSc) in Environmental Sciences and Education for Sustainable Development.**

Inter-departmental programme by the Faculty of Medicine, the Department of Biological Applications and Technologies and by the Department of Primary Education of the University of Ioannina.

## University General Hospital

The clinical education of medical students is carried out at the University General Hospital of Ioannina. This is the largest health care facility in the North-west of Greece and covers diagnostic and hospitalization needs of the population in the region of Epirus, Ionian Islands, west Macedonia and part of Albania.

## Sectors, Laboratories and Departments

**1. Basic Functional and Clinical-Laboratory Sciences Sector**

**Laboratories**

Department of Microbiology  
Department of Physiology  
Department of Biology  
Department of Biological Chemistry  
Department of Pharmacology  
Department of Clinical Chemistry  
Department of Laboratory Animals

**2. Morphological and Clinical-Laboratory Sciences Sector**

**Laboratories**

Department of Radiology and Clinical Imaging  
Department of Medical Physics  
Department of Pathology  
Department of Clinical Radiation Oncology  
Department of Nuclear Medicine  
Department of Anatomy-Histology-Embryology  
Department of Forensic Medicine and Toxicology

**3. Social Medicine and Mental Health Sector**

**Laboratories**

Department of Hygiene and Epidemiology

**Departments**

Department of Clinical Psychiatry

**Study Hall**

History of Medicine

**4. Surgery Sector**

**Departments**

Department of Obstetrics and Gynecology  
Department of Orthopedics  
Department of Surgery  
Department of Urology  
Department of Anesthesiology  
Department of Cardiothoracic Surgery  
Department of Plastic Surgery and Burn  
Department of Physical Medicine and Rehabilitation  
**Laboratories**  
Laboratory of Clinical Genetics

**5. Child Health Sector**

**Departments**

Department of Pediatrics  
Department of Pediatric Cardiology  
Department of Pediatric Nephrology  
Neonatal Intensive Care Unit  
Hemoglobinopathies and Pediatric Hematology Unit

**Laboratories**

Laboratory of Pediatrics

**6. Nervous System and Sensory Organs Sector**

**Departments**

Department of Otolaryngology  
Department of Ophthalmology  
Department of Neurology  
Department of Neurosurgery  
Department of Dermatology

**7. Internal Medicine Sector**

**Departments**

Department of Internal Medicine A' and Hepato-Gastroenterology Unit  
Department of Internal Medicine B'  
Department of Oncology  
Department of Rheumatology  
Department of Hematology  
Department of Endocrinology  
Department of Cardiology A'  
Department of Cardiology B'  
Department of Pneumonology  
Department of Nephrology  
Department of Intensive Care

**Laboratories**

Research Laboratory of General Medicine and Primary Health Care

## Student support

### Library

The Faculty Library was founded in 1977 in parallel with the foundation of the Medical School. In 2002 it was integrated in the University Central Library. Since then, the instructors, researchers and students of the Faculty of Medicine have been using extensively

the modern facilities of the Central Library and Information Centre of the University of Ioannina. The regulations of use of the Library resources and the services offered are delineated in the Library Internal Regulation and can be found on the website: <http://www.lib.uoi.gr/>

### **University student system**

The University students system is accessible to all students via the Students Web – Class Web service (<https://cronos.cc.uoi.gr/unistudent/>). It is an online tool specifically designed to aid students in their online communication with the Department's Secretariat. It allows students to register their courses online, check their personal details (personal data, course grades, etc.). Additionally, via this system students can access all the information related to their Department (programmes of study, courses, personnel, etc.), as these have been recorded online by the Secretariat.

### **Dining and accommodation facilities**

The University Student Restaurant feeds undergraduate and postgraduate students of the University of Ioannina, according to the regulations set by the University Senate. The Student Restaurant is located at the University Campus, on the ground floor of the Student Union Building, operating in its 4,500 square meters premises.

The Restaurant operates between 1<sup>st</sup> September and 30<sup>th</sup> June, seven days per week, with a fortnight break during Christmas and Easter holidays accordingly. In total, it operates 275 days a year, with a dining capacity of at least 4,000 students on a daily basis. The daily menu includes breakfast, lunch and dinner.

The University of Ioannina students can reside in rooms at the University accommodation halls. Relevant information is available at the following link: <http://www.uoi.gr/panepistimiaki-zoi/foititiki-merimna/>

**Electronic database of apartments for rent:** On the University website there is an online database of apartments for rent: <http://enoikiazetai.uoi.gr/>

### **Housing Allowance**

The Housing Allowance is granted to undergraduate students (first cycle of studies) provided they meet the required conditions and submit the supporting documents in accordance with the procedure set by the Ministry of Education and Religious Affairs.

### **Healthcare**

The University of Ioannina students not insured by an insurance agency are entitled to health treatment covered exclusively by the University General Hospital. The Division of the Health Treatment of the University of Ioannina Student Care operates on a daily basis, excluding weekends.

### **Students with special needs**

Entrance to the Faculty's buildings is on the ground floor with the use of access ramps. There are also toilets specially designed for people with disabilities.

Furthermore, the Senate of the University of Ioannina has set up a Committee for the support and formulation of good practices in overcoming the difficulties faced by students with special needs (session no. 1028/37/3-3-2016). A representative of the Faculty of Medicine participates in this Committee coordinating the actions for the support of the Faculty's students with special needs.

## Student associations

### Medical students association

The “Ioannina Medical Student Association” (IMSA) operates in compliance with the relevant Laws and was recognized by the Court of First Instance on 10-10-1982.

The Association is directed by a 7-member Governing Board with an equal number of alternate members for a term of 1 year, following the student elections that take place every March-April by decision of the Association.

The IMSA is the only student representative body that is also responsible for designating the students participating with voting rights in the Sectors, the Faculty’s General Assembly as well in the University Senate.

### Medical students’ Association for Medical Education and International Co-operations (M.ED.I.CO)

The Medical students’ Association for Medical Education and International Co-operations was founded in September 2012 and is a non-profit student association.

The Association’s key objectives are summarised as follows:

- Exchanges via the Erasmus+ student exchange programme (“Study” and “Placement” actions)
- Placement in the framework of EU-funded programmes
- Medical training and Programme of studies
- Medical specialties and career issues
- Educational, informative and charity events

In addition, the Association has been organizing every year since its foundation the “First year students welcoming”, during which MEDICO welcomes and gives a tour to new entrants to the Faculty of Medicine Premises. Most notably, the Association has set up a lending library with the invaluable assistance of professors and students. The library is accessible to all student and academic staff of the Faculty of Medicine.

### Scientific Society of Hellenic Medical Students

The Scientific Society of Hellenic Medical Students – Ioannina Chapter organizes a student conference on an annual basis, in which medical students participate presenting their scientific projects and join round table discussions, in close collaboration with members of academic staff.

Website: <https://www.eefie.org/en/>

### Student Association for Blood Donation

Its purpose is to inform and raise awareness among the academic community about voluntary blood donation and to strengthen this practice, in order to adequately cover local blood needs.

Activities:

- Set up blood sampling on a weekly basis at the University campus
- Organise open blood donations for the general public
- Raise awareness of all students about Voluntary Blood donation and Thalassemia
- Develop relevant informative printed material

- Promote Voluntary Blood Donation in the Mass Media
- Operate an office on a regular basis
- Organise social and scientific events focused on blood donation
- Collaborate with local Hospital to cover emergency needs
- Inform the students of public schools about blood donation

Presently, the Association can accept as its members students from all Schools of the University of Ioannina, who are interested to contribute in their own way in the effort to promote Voluntary Blood Donation. In particular, the Association comprises around 100 full members, and more than 700 blood donors collect around 500-600 blood transfusion bottles per year.

**Website:** <https://twitter.com/foeanews>

### **Hellenic Medical Student's International Committee - HelMSIC**

HelMSIC – Hellenic Medical Students' International Committee is an independent organization, non-profitable, non-governmental and non-partisan committee. It was founded in 1958 and today it comprises 7 local committees, one in each Medical School of Greece.

**Activities:** Medical Education, Clinical Exchanges, Research Exchanges, Public health, Reproductive and Sexual Health and Human Rights & Peace.

HelMSIC, within the framework of achieving its objectives, has been organising projects and training seminars at national and local level concerning the thematic areas of the organization.

The activities are often organised in close collaboration with other partners such as Doctors Without Borders, Doctors of the World, the Center for Life, the Collaborative Center for Clinical Epidemiology and Outcomes Research (CLEO), the Hellenic Centre for Diseases Control and Prevention (HCDCP), the International Veterinary Students' Association as well as with members of the academic community.

**National meetings:** These national meetings are a unique way to promote communication and contact between the active members of the local committees, enhance their education and their interaction and exchange of ideas for the organisation's actions.

**International network and International Meetings:** HelMSIC as an active member of International Federation of Medical Students' Associations (IFMSA) & European Medical Students' Association (EMSA). Through participation in international student associations, HelMSIC constitutes the only organisation that represents Greek medical students abroad. In this respect, it participates in international meetings (IFMSA General Assemblies – GAs, European Regional Meeting - EuRegMe, EMSA General Assemblies – GAs), via delegations of active members.

**How to become a member:** All medical students automatically become members of HelMSIC with their registration in the Faculty of Medicine. Anyone can visit the office of the Local Committee (above the Clinical Chemistry Lab) and learn more about HelMSIC and its activities. For more information one can use the following email address: [ioannina@helmsic.gr](mailto:ioannina@helmsic.gr) or follow HelMSIC in social networks.

## Students exchange

Students from other national or international Universities can be accepted as exchange students in host Institutions in the framework of educational or research collaboration programs. Exchange students have the same rights and obligations as the rest university students for as long as their study period lasts in the host Universities, in accordance with the approved program of collaboration.

Exchange students do not have the right of obtaining a degree title in the host institution unless the program of collaboration, in the framework of which the exchange is implemented, provides the possibility of issuing a joint degree title from the respective Universities.

With respect to exchange students in Greek institutions, the ECTS awarded, the study period, successful course completion and the relevant grades in the host institution are recognized and can be transferred to the sending institution provided these modules are part of the approved program of collaboration.

## ERASMUS+

Erasmus+ is the EU's programme to support education, training, youth and sport in Europe. Its aim is to contribute to the enhancement of skills and employability, as well as to the modernisation of educational systems, training and youth, in all sectors of Life-long Learning. Student exchange is considered one of the key issues in inter-institutional partnerships. The University of Ioannina participates in the Erasmus+ programme. In order to secure the full recognition of students' academic study program, the University has adopted the use of the European Credit transfer system (ECTS). Erasmus+ participants can choose to attend among lectures, lab sessions and clinical consultations. Student mobility can be either for placement for a period between 2 to 4 months, or for studies for a period between 3 to 12 months.

For more information, please visit the following link:  
<http://erasmus.uoi.gr/erasmus/37/erasmus>

## Academic Tutor

The regulation of the Academic Tutor of Studies was approved by the Faculty's General Assembly (session no. 887a/12-3-2019) and it will be activated in the upcoming academic year.

The role of the Academic Tutor of Studies is based on article 35 (Law 4009/2011, Greek Official Gazette A 195) where it is mentioned: "The academic tutor of studies guides and supports students in (progressing in) their programme of studies. The Internal Regulation of each institution designates the delegation of tasks to professors alternately and specifies the relevant issues".

Each Member of Academic Staff of the Faculty of Medicine, irrespective of their rank and position, assumes the role of the Academic Tutor. Academic Tutors undertake to guide new students provided they have a minimum of 6 years as remaining term of office and support their tutees from beginning until end of their studies. They also counsel final year students.

Academic Tutoring is compulsory in view of the fact that academic counselling contributes substantially to students' academic studies success.

The Faculty's Secretariat informs students about the Member of Academic Staff who has been designated as Academic Tutor of Studies for each one of them throughout their studies.

### **Post-graduate placement**

The EU-funded program 'University of Ioannina Students' Placement' is intended for all medical students in their 4<sup>th</sup> year of studies and aims at helping them acquire work experience during their studies. The placement is integrated in their programme of studies as an elective course.

### **Students awards**

As part of the Quality Policy of studies, the Faculty of Medicine awards the excellent students by the following procedure: at every swearing-in ceremony the students with the top three degree grades receive an Award for Excellence, provided their degree grade is equal or higher than 8.5/10. The prize giving ceremony takes place at the end of the swearing-in ceremony.

### **Assessment questionnaires**

The Faculty of Medicine has adopted an evaluation procedure of teaching practices by the Faculty's students with the use of online anonymous questionnaires, under the supervision of the Faculty Internal Assessment Team and the University Quality Assurance Unit.

### **Academic staff**

The list of all academic staff of the Faculty of Medicine can be found on the Faculty's website:

[https://med.uoi.gr/index.php?option=com\\_content&view=article&id=470:professors&catid=25&lang=en&Itemid=577](https://med.uoi.gr/index.php?option=com_content&view=article&id=470:professors&catid=25&lang=en&Itemid=577).

### **Programme of Studies / Curriculum (2019 - 2020)**

The course content along with the learning outcomes can be found [here](#).

The total number of ECTS amounts to 360, with 30 ECTS allocated per semester.

The following table presents in short the courses offered by the Faculty.

<b>Courses</b>	<b>Semester</b>	<b>Type</b>	<b>ECTS</b>
<b>1<sup>st</sup> Semester</b>			
Embryology I	1	<b>Compulsory</b>	3
Medical Mathematics	1	<b>Compulsory</b>	3
Morality and Ethics	1	<b>Compulsory</b>	2
Medical Informatics	1	<b>Compulsory</b>	5
Medical Chemistry	1	<b>Compulsory</b>	5
Histology I	1	<b>Compulsory</b>	8
History of Medicine	1	<b>Compulsory</b>	2
<b>1 Elective out of the following</b>			
English for Academic Purposes	1	Elective	2
German for Academic Purposes	1	Elective	
French for Academic Purposes	1	Elective	
Biomedical Technology	1	Elective	
Health Policy	1	Elective	
First Aid	1	Elective	
<b>2<sup>nd</sup> Semester</b>			
English for Medical Purposes German for Medical Purposes French for Medical Purposes	2	<b>Compulsory</b>	2
Anatomy I	2	<b>Compulsory</b>	7
Biology I	2	<b>Compulsory</b>	7
Biochemistry I	2	<b>Compulsory</b>	7
Physiology I	2	<b>Compulsory</b>	7
<b>3<sup>rd</sup> Semester</b>			
Anatomy II	3	<b>Compulsory</b>	8
Biology II	3	<b>Compulsory</b>	7
Biochemistry II	3	<b>Compulsory</b>	7.5
Physiology II	3	<b>Compulsory</b>	7.5
<b>4<sup>th</sup> Semester</b>			
Introduction to Clinical Medicine	4	<b>Compulsory</b>	3
Embryology II	4	<b>Compulsory</b>	2
Medical Physics	4	<b>Compulsory</b>	7
Histology II	4	<b>Compulsory</b>	6
Clinical Chemistry	4	<b>Compulsory</b>	3
Physiology III	4	<b>Compulsory</b>	7
<b>1 Elective out of the following</b>			
From genome to evolution	4	Elective	2
Introduction to Bioinformatics	4	Elective	2
Introduction to the systemic theory and applications in human Physiology	4	Elective	2
Selected topics of Anatomy-Histology-Embryology	4	Elective	2

Medical genetics in clinical practice, prevention and prenatal diagnosis	4	Elective	2
Mechanisms of Biological Fluids	4	Elective	2
Philosophy and Medicine	4	Elective	2
<b>5<sup>th</sup> Semester</b>			
Pathology I	5	<b>Compulsory</b>	6
Physical Signs in Internal Medicine and Surgery I	5	<b>Compulsory</b>	3
Microbiology I	5	<b>Compulsory</b>	5
Pathophysiology I	5	<b>Compulsory</b>	5
Hygiene and Epidemiology I	5	<b>Compulsory</b>	4
<u>Pharmacology I</u>	5	<b>Compulsory</b>	5
<b>1 Elective out of the following</b>			
Radiation Protection in Medicine	5	Elective	2
Basic Aspects of Pharmacokinetics	5	Elective	
Introduction to the biology of stem cells	5	Elective	
Introduction to Genetics	5	Elective	
Drugs of Abuse	5	Elective	
Selected topics in Biophysics	5	Elective	
Neurotransmitters and Behavior	5	Elective	
The role of medical physics in the development of new technologies with applications in medicine	5	Elective	
<b>6<sup>th</sup> Semester</b>			
Pathology II	6	<b>Compulsory</b>	6
Medical Psychology	6	<b>Compulsory</b>	2
Physical Signs in Internal Medicine and Surgery II	6	<b>Compulsory</b>	2
Microbiology II	6	<b>Compulsory</b>	4
Pathophysiology II	6	<b>Compulsory</b>	5
Hygiene and Epidemiology II	6	<b>Compulsory</b>	4
Pharmacology II	6	<b>Compulsory</b>	5
<b>1 Elective out of the following</b>			
Radiation Oncology	6	Elective	2
Selected Issues in Toxicology	6	Elective	2
Food Microbiology and Hygiene	6	Elective	2
Hospital Infections	6	Elective	2
<u>Pharmacogenomics</u>	6	Elective	2
Exercise and Nutritional Physiology	6	Elective	2
Psychiatry of Addictions	6	Elective	2
<b>7<sup>th</sup> Semester</b>			
Radiology I	7	<b>Compulsory</b>	5
Nosology I	7	<b>Compulsory</b>	4
Ophthalmology	7	<b>Compulsory</b>	5
Pneumonology	7	<b>Compulsory</b>	5

Advanced Surgical Specialties	7	<b>Compulsory</b>	5
Surgical Pathology I	7	<b>Compulsory</b>	4
<b>1 Elective out of the following</b>			
Andrology	7	Elective	2
Diagnostic and Therapeutic Applications of Nuclear Medicine	7	Elective	
Gynecological Endoscopy	7	Elective	
Empathy in doctor patient relationship	7	Elective	
Medical Liability	7	Elective	
Molecular Immunology	7	Elective	
<u>Prevention of Cardiovascular Diseases</u>	7	Elective	
Computer assisted Robotic Surgery: assisted surgical applications	7	Elective	
<b>8<sup>th</sup> Semester</b>			
Radiology II	8	Compulsory	5
<u>Cardiology</u>	8	Compulsory	6
Nosology II	8	Compulsory	5
Surgical Pathology II	8	Compulsory	5
Otorhinolaryngology	8	Compulsory	5
<b>2 Electives out of the following</b>			
Sport Injuries	8	Elective	4
Basic and Advanced Management of Acute Trauma	8	Elective	4
Endocrinology of Reproduction and Subfertility	8	Elective	4
Clinical Pharmacology	8	Elective	4
Solid Organ Transplantation	8	Elective	4
<u>Microsurgery</u>	8	Elective	4
Psychosomatic Medicine	8	Elective	4
Placement / Traineeship	8	Elective	2
<b>9<sup>th</sup> Semester</b>			
Neurology	9	Compulsory	6
Orthopedics	9	Compulsory	6
The normal child - Introduction to Pediatrics	9	Compulsory	10
Psychiatry	9	Compulsory	6
<b>1 Elective out of the following</b>			
<u>Invasive Cardiology</u>	9	Elective	2
<u>Pain Therapy</u>	9	Elective	2
Pathological Oncology	9	Elective	2
<u>Pediatric Ophthalmology</u>	9	Elective	2
Tutorials on Gastroenterology and Hepatology	9	Elective	2
Physical Medicine and Rehabilitation	9	Elective	2
<b>10<sup>th</sup> Semester</b>			
Anesthesiology	10	<b>Compulsory</b>	5

Dermatology	10	<b>Compulsory</b>	5
Introduction to Obstetrics and Gynecology	10	<b>Compulsory</b>	8
Intensive Care	10	<b>Compulsory</b>	5
Urology	10	<b>Compulsory</b>	5
<b>1 Elective out of the following</b>			
Maxillofacial Surgery	10	Elective	2
Gynecological Oncology	10	Elective	
Endocrinology and Diabetes	10	Elective	
Advances in Intensive Care Medicine	10	Elective	
Adolescent Medicine	10	Elective	
Leukemias	10	Elective	
Metabolic Diseases	10	Elective	
Perioperative Echocardiography	10	Elective	
<b>11<sup>th</sup> Semester</b>			
General Medicine	11	<b>Compulsory</b>	4
Obstetrics and Gynecology	11	<b>Compulsory</b>	10
Intensive Care Unit	11	<b>Compulsory</b>	3
Internal Medicine	11	<b>Compulsory</b>	13
<b>12<sup>th</sup> Semester</b>			
<u>Forensic Medicine</u>	12	<b>Compulsory</b>	4
Pediatrics	12	<b>Compulsory</b>	13
Surgery	12	<b>Compulsory</b>	13