

# First year

Term	Subject	Field	Type	ECTS	Description of the subject
1 <sup>st</sup>	Introduction to the University and to Medicine	Introduction to the University	B	6	To find out the characteristics of the University. To learn the basic rules applicable to students. To properly use the University intranet. To be able to use the databases pertaining students' courses. To identify the determinants of health in the population. To find out about health planning and administration on a world, European, Spanish and autonomic level. To find out the basics of the relationship between health and the environment. To learn the history of health and illness. To learn of the existence and the principles of alternative medicines. To give an oral and written public presentation of scientific work and/or professional reports.
1 <sup>st</sup>	Anatomy and Embryology	Human Anatomy	B	7	To learn the processes of embryonic development and organogenesis. To learn the morphology, structure and function of the locomotor system. To understand the morphology and structure of tissue, organs and systems, using macroscopic and microscopic methods and imaging techniques. To learn the morphology, structure and function of the central and peripheral nervous system. To understand the morphology and structure of tissue, organs and systems, using macroscopic and microscopic methods and imaging techniques.
2 <sup>nd</sup>	Biochemistry I	Biochemistry	B	6	To learn about cell structure and function as well as the characteristics of biomolecules, their metabolism, regulation and metabolic integration. To learn gene information processes, expression and regulation. To describe the bases of heredity. To learn to implement basic laboratory material and techniques.
3 <sup>rd</sup>	General Physiology	Physiology	B	8	To learn about cell structure and function. To describe the bases of cell communication and the behaviour of excitable membranes. To learn the morphology, structure and function of the locomotor system. To learn the morphology, structure and function of the central and peripheral nervous system. To describe the bases of homeostasis and adaptation to the environment.
3 <sup>rd</sup>	Cellular Biology I	Biology	B	8	To learn cell structure and function, as well as the characteristics of biomolecules, their metabolism, regulation and metabolic integration. To describe the bases of cell communication and the behaviour of excitable membranes. To learn of cell cycle as well as the phenomena of cell differentiation and proliferation. To learn the processes of gene information, expression and regulation. To describe the bases of homeostasis and adaptation to the environment.
2 <sup>nd</sup>	Psychology	Psychology	B	6	To learn the fundamentals of cognitive, emotional and psychosocial development in infancy and adolescence. To learn the biological, psychological and social

					fundamentals of personality and behaviour. To learn the bases of psychotherapy. To give an oral and written public presentation of scientific work and/or professional reports.
1 <sup>st</sup>	Physics for Health Sciences		O	5	To describe the bases of homeostasis and adaptation to the environment. To learn the fundamentals of the interaction of radiation with the human organism. To have the ability to apply diagnostic and therapeutic procedures using ionising radiation.
2 <sup>nd</sup>	Biomedical Computer Science		O	4	To learn, critically evaluate and know how to use technologies and sources of clinical and biomedical information in order to obtain, organise, interpret and convey clinical, scientific and health-related information. To know how to use a personal computer unassisted. To use biomedical search and information recovery systems. To learn and implement clinical documentation procedures. To learn the principles of telemedicine. To learn and implement the principles of medicine based on (the best) evidence.
2 <sup>nd</sup>	Integrated Medicine I		O	4	This subject aims to present health problems transversally, both horizontally and vertically, which means that students must assume the educational goals of basic and clinical subjects.
3 <sup>rd</sup>	Work Experience I		O	4	This subject aims to introduce students to the reality of healthcare by means of periods spent at different centres and units in the healthcare sector.

## Second year

Term	Subject	Field	Type of subject	ECTS credits	Description of the subject
2 <sup>nd</sup>	Human Anatomy	Human Anatomy	B	7	To learn the morphology, structure and function of the circulatory system. To learn the morphology, structure and function of the digestive system. To learn the morphology, structure and function of the reproductive system. To learn the morphology, structure and function of the excretory system. To learn the morphology, structure and function of the respiratory system. To learn the morphology, structure and function of the endocrine system. To learn the morphology, structure and function of the immune system. To learn the morphology, structure and function of the central and peripheral nervous system. To understand the morphology and structure of tissue, organs and systems, using macroscopic and microscopic methods and imaging techniques. To perform basic physical examination.
2 <sup>nd</sup>	Human Physiology	Physiology	B	8	To learn the basic principles of human nutrition. To learn the morphology, structure and function of the skin. To learn the morphology, structure and function of blood. To learn the morphology, structure and function of the

					<p>circulatory system. To learn the morphology, structure and function of the digestive system. To learn the morphology, structure and function of the locomotor system. To learn the morphology, structure and function of the reproductive system. To learn the morphology, structure and function of the excretory system.</p> <p>To learn the morphology, structure and function of the respiratory system. To learn the morphology, structure and function of the endocrine system. To learn the morphology, structure and function of the central and peripheral nervous system. To describe the bases of homeostasis and adaptation to the environment.</p>
1 <sup>st</sup>	Biochemistry II	Biochemistry	B	8	<p>To learn cell structure and function, as well as the characteristics of biomolecules, their metabolism, regulation and metabolic integration. To learn of cell cycle as well as the phenomena of cell differentiation and proliferation. To learn the processes of gene information, expression and regulation. To learn to implement basic laboratory material and techniques.</p>
1 <sup>st</sup>	Biostatistics	Statistics	B	6	<p>To learn the basic concepts of biostatistics and their application to the medical sciences. To be able to design and implement simple statistical studies using computer programmes and to interpret the results. To understand and interpret the statistical data in the medical literature.</p>
2 <sup>nd</sup>	Human Histology		O	5	<p>To learn the morphology, structure and function of the skin. To learn the morphology, structure and function of the blood. To learn the morphology, structure and function of the circulatory system. To learn the morphology, structure and function of the digestive system. To learn the morphology, structure and function of the locomotor system. To learn the morphology, structure and function of the reproductive system. To learn the morphology, structure and function of the excretory system. To learn the morphology, structure and function of the respiratory system. To learn the morphology, structure and function of the endocrine system. To learn the morphology, structure and function of the immune system. To learn the morphology, structure and function of the central and peripheral nervous system. To learn to implement basic laboratory material and techniques. To understand the morphology and structure of tissue, organs and systems, using macroscopic and microscopic methods and imaging techniques.</p>
1 <sup>st</sup>	Health and Human Evolution		O	4	<p>To understand the principle of risk factor and its importance in the prevention of illness. To learn the principles of epidemiology and demography. To learn the bases of the relationship between health and the environment. To learn, critically evaluate and know how to use technologies and sources of clinical and biomedical information in order to obtain, organise, interpret and convey clinical, scientific and health-related information. To learn of the history of health and illness.</p>

1 <sup>st</sup>	Integrated Medicine II		O	4	This subject aims to present health problems transversally, both horizontally and vertically, which means that students must assume the educational goals of basic and clinical subjects.
3 <sup>rd</sup>	Patient-Doctor Relations and Communication Skills		O	5	To learn the legal bases of exercising the medical profession. To learn the characteristics of informed consent. To learn to keep the principle of confidentiality. To apply the personal and professional values of excellence, altruism, sense of duty, responsibility, integrity and honesty in exercising the profession. To know how to tackle professional practice respecting the patient's autonomy, beliefs and culture. To learn the aspects of communicating with patients, family members and their social environment. To learn the models of the clinical relation (interview, verbal communication, non-verbal communication and interferences). To learn to convey bad news, prognoses and therapeutic advice. To write case histories, reports, instructions and other records in a way that is understandable for patients, family members and other professionals. To give an oral and written public presentation of scientific work and/or professional reports.
3 <sup>rd</sup>	General Genetics		O	4	To learn the processes of gene information, expression and regulation. To learn the bases of heredity.
3 <sup>rd</sup>	Developmental Biology		O	4	To learn the processes of embryonic development and organogenesis.
3 <sup>rd</sup>	Work Experience II		O	4	This subject aims to introduce students to the reality of healthcare by means of periods spent at different centres and units in the healthcare sector.

## Third year

Term	Subject	Field	Type of subject	ECTS credits	Description of the subject
2 <sup>nd</sup>	Immunology		O	4	To learn the morphology, structure and function of the immune system. To learn to implement basic laboratory material and techniques. To recognise, diagnose and learn and implement the management of the main pathologies of the immune system. To describe biochemical, cytogenetic and molecular biology markers applied to clinical diagnosis. To learn the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests. To learn the characteristics of tissues in the different situations of lesion, adaptation, cell death, inflammation.
1 <sup>st</sup>	Epidemiology and Health Demography		O	4	To understand the need for professional competency. To learn the principles of preventive medicine and public health. To understand the principle of risk factor and its importance in the prevention of illness. To identify the

					<p>determinants of health in the population. To know the main health indicators. To learn to plan, programme and evaluate health programmes. To know how to prevent and protect against illness, lesions and accidents. To establish time guidelines for the administration of vaccinations. To learn the principles of epidemiology and demography. To find out about health planning and administration on a world, European, Spanish and autonomic level. To learn of the economic and social implications involved in medical action, considering criteria of efficacy and efficiency.</p> <p>To learn the bases of the relationship between health and the environment. To learn the principles of food safety. To learn the bases of occupational health. To learn, critically evaluate and know how to use technologies and sources of clinical and biomedical information in order to obtain, organise, interpret and convey clinical, scientific and health related information. To understand and interpret the statistical data in the medical literature.</p>
1 <sup>st</sup>	Clinical Genetics		O	4	To learn of the methodology for cytogenetic, molecular and genetic biochemical diagnosis. To describe biochemical, cytogenetic and molecular biology markers applied to clinical diagnosis.
1 <sup>st</sup>	General Physiopathology		O	4	<p>To recognise, diagnose and direct the management of the main pathologies of the blood. To know about tumoural disease, its diagnosis and management. To recognise, diagnose and direct the management of the main cardiocirculatory pathologies. To recognise, diagnose and direct the management of the main pathologies of the digestive system.</p> <p>To recognise, diagnose and direct the management of the main nephrourological pathologies. To recognise, diagnose and direct the management of the main pathologies of the respiratory system. To recognise, diagnose and direct the management of the main pathologies of the endocrine system. To recognise, diagnose and direct the management of the main pathologies of the central and peripheral nervous system. To recognise, diagnose and direct the management of the main pathologies of the immune system.</p>
3 <sup>rd</sup>	Specific Physiopathology and Semiology		O	8	To perform functional tests and determine and interpret vital parameters. To perform basic physical examination. To learn the aspects of communicating with patients, family members and their social environment. To write case histories, reports, instructions and other records in a way that is understandable for patients, family members and other professionals. To learn how to perform a complete anamnesis, focusing on the patient and oriented at the different pathologies, interpreting their significance. To know how to perform a physical examination using apparatuses and systems as well as a psychopathological examination, interpreting their

					significance. To know how to evaluate the changes in clinical parameters for different ages.
2 <sup>nd</sup>	Microbiology		O	7	To know the main infectious agents and their mechanisms of action. To describe sexually transmitted diseases. To find out the fundamentals of microbiology and parasitology. To find out the main techniques of microbiological and parasitological diagnosis and interpret the results. To know how to interpret the results of laboratory diagnostic tests. To manage disinfection and sterilisation techniques.
1 <sup>st</sup>	Pathological Anatomy		O	7	To learn the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests. To learn the characteristics of tissues in the different situations of lesion, adaptation, cell death, inflammation. To find out the fundamentals of the pathological anatomy of the different apparatuses and systems.
3 <sup>rd</sup>	Image Diagnostics and Radiotherapy		O	6	To understand the morphology and structure of tissue, organs and systems, using macroscopic and microscopic methods and imaging techniques. To learn the principles of telemedicine. To evaluate the risk/benefit ratio of diagnostic and therapeutic procedures. To learn the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests. To learn the characteristics of tissues in the different situations of lesion, adaptation, cell death, inflammation. To know the disorders of cell growth. To learn the fundamentals of the interaction of radiation with the human organism. To learn the bases of radiological images. To learn the basic radiological semiology of the different apparatuses and systems. To learn other techniques of obtaining a diagnostic image. To evaluate the indications and contraindications of radiological studies. To have the ability to apply radiological protection criteria in diagnostic and therapeutic procedures with ionising radiation. To learn the principles and indications of radiotherapy. To know how to interpret a radiological image through systematic reading.
2 <sup>nd</sup>	Foundations of Diagnostic and Therapeutic Procedures		O	4	To interpret a normal clinical analysis. To understand, using macroscopic and microscopic methods and imaging techniques the morphology and structure of the tissue, organs and systems. To perform functional tests and determine and interpret vital parameters. To evaluate the risk/benefit ratio of diagnostic and therapeutic procedures. To learn the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests. To know the characteristics of the tissues in the different situation of lesion, adaptation, cell death and inflammation. To describe biochemical, cytogenetic and molecular biology markers applied to clinical diagnosis. To find out the main techniques of microbiological and parasitological diagnosis and interpret the results. To know the main indications of electrophysiological

					techniques (ECG, EEG, EMG and others). To know how to obtain and process a biological sample for study using the different diagnostic procedures. To know how to interpret the results of laboratory diagnostic tests. To learn the bases of the pharmacology of the different apparatuses and systems. To learn the general principles of nutrition and dietotherapy.
2 <sup>nd</sup>	Pharmacology		O	5	To know the main groups of drugs, doses, routes of administration and pharmacokinetics, their interactions and adverse effects, and prescription and pharmacovigilance. To learn the bases of the pharmacology of the different apparatuses and systems. To describe the main analgesic, antineoplastic, antimicrobial and anti-inflammatory drugs.
3 <sup>rd</sup>	Integrated Biomedicine III		O	4	This subject aims to present health problems transversally, both horizontally and vertically, which means that students must assume the educational goals of basic and clinical subjects.
3 <sup>rd</sup>	Work Experience III		O	4	This subject aims to introduce students to the reality of healthcare by means of periods spent at different centres and units in the healthcare sector.

## Fourth year

Term	Subject	Field	Type of subject	ECTS credits	Description of the subject
1 <sup>st</sup>	Medical-Surgical Pathology I		O	10	To recognise, diagnose and direct the management of the main cardiocirculatory pathologies. To recognise, diagnose and direct the management of the main pathologies of the respiratory system. To recognise, diagnose and direct the management of the main infectious pathologies in the different organs and systems. To learn how to perform a complete anamnesis, focusing on the patient and oriented at the different pathologies, interpreting their significance. To know how to perform a physical examination using apparatuses and systems as well as a psychopathological examination, interpreting their significance. To establish a plan of action, focusing on the needs of the patient and the family and social environment, which is coherent with the patient's signs and symptoms. To know how to perform basic and advanced life support manoeuvres.
2 <sup>nd</sup>	Medical-Surgical Pathology II		O	5	To recognise, diagnose and direct the management of the main pathologies of the digestive system.
3 <sup>rd</sup>	Medical-Surgical Pathology III		O	7	To recognise, diagnose and direct the management of the main pathologies of the blood. To recognise, diagnose and direct the management of the main pathologies of the central and peripheral nervous system. To know the main indications of electrophysiological techniques (ECG, EEG, EMG and others).

2 <sup>nd</sup>	Locomotive Apparatus		O	8	To recognise, diagnose and direct the management of the main pathologies of the locomotor system. To recognise, diagnose and direct the management of the main pathologies of the immune system.
3 <sup>rd</sup>	Ophthalmology		O	4	To recognise, diagnose and direct the management of the main ophthalmological pathologies.
3 <sup>rd</sup>	Otorhinolaryngology		O	4	To recognise, diagnose and direct the management of the main pathologies of the ears, nose and throat.
2 <sup>nd</sup>	Dermatology		O	4	To learn the morphology, structure and function of the skin. To recognise, diagnose and direct the management of the main pathologies of the skin.
1 <sup>st</sup>	Foundations of Surgery		O	4	To learn the main principles of anaesthesia and resuscitation. To learn the general principles of nutrition and dietotherapy. To learn the physiopathology of wounds (including burns, freezing and other types of wounds). To learn the bases of cicatrisation. To learn the bases of surgical haemorrhage and thromboembolic prophylaxis. To learn the general surgical indications, preoperative risk and postoperative complications. To learn the principles and indications of transfusions and transplants. To practise elementary surgical procedures: cleaning, haemostasis and suture of wounds.
1 <sup>st</sup>	Human Nutrition		O	4	To learn the basic principles of human nutrition. To recognise, diagnose and direct the management of the main pathologies of nutrition. To learn the general principles of nutrition and dietotherapy. To assess nutritional state and plan a suitable diet for the different circumstances.
1 <sup>st</sup>	Integrated Medicine IV		O	4	This subject aims to present health problems transversally, both horizontally and vertically, which means that students must assume the educational goals of basic and clinical subjects.
3 <sup>rd</sup>	Integrated Practice of Medical-Surgical Pathology I		O	5	To recognise, diagnose and direct the management of life-threatening situations. To learn how to perform a complete anamnesis, focusing on the patient and oriented at the different pathologies, interpreting their significance. To know how to perform a physical examination using apparatuses and systems as well as a psychopathological examination, interpreting their significance. To know how to evaluate the changes in clinical parameters for different ages. To know how to perform basic and advanced life support manoeuvres.

## Fifth year

Term	Subject	Field	Type of subject	ECTS credits	Description of the subject
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1 <sup>st</sup>	Medical-Surgical Pathology IV		O	7	To recognise, diagnose and direct the management of the main nephrourological pathologies. To know the main infectious agents and their mechanisms of action. To recognise, diagnose and direct the management of the main infectious pathologies in the different organs and systems.
2 <sup>nd</sup>	Medical-Surgical Pathology V		O	8	To know about tumoural disease, its diagnosis and management. To recognise, diagnose and direct the management of the main pathologies of the endocrine system. To recognise, diagnose and direct the management of the main pathologies of nutrition. To learn the bases of palliative medicine. To recognise the characteristics of prevalent pathologies in the elderly. To understand the importance of working in multidisciplinary teams.
2 <sup>nd</sup>	Integrated Practice of Medical-Surgical Pathology II		O	5	To recognise, diagnose and direct the management of life-threatening situations. To learn how to perform a complete anamnesis, focusing on the patient and oriented at the different pathologies, interpreting their significance. To know how to perform a physical examination using apparatuses and systems as well as a psychopathological examination, interpreting their significance. To know how to evaluate the changes in clinical parameters for different ages. To know how to perform basic and advanced life support manoeuvres.
2 <sup>nd</sup>	Paediatrics		O	11	To learn the morphofunctional characteristics of the newborn, children and adolescents and the bases of growth. To learn of the characteristics associated with premature newborns. To recognise, diagnose and direct the management of the main paediatric pathologies. To learn the basic principles of infant nutrition. To learn the bases of genetic diagnosis and counselling. To learn the fundamentals of cognitive, emotional and psychosocial development in infancy and adolescence. To establish the time guidelines for the administration of vaccines.
1 <sup>st</sup>	Gynaecology and Obstetrics		O	9	To learn the characteristics of normal and pathological pregnancy and childbirth and puerperium. To describe sexually transmitted diseases. To recognise, diagnose and direct the management of the main gynaecological pathologies. To describe the processes of contraception and fertilisation. To know how to examine and follow-up pregnancy.
1 <sup>st</sup>	Psychiatry		O	6	To learn the fundamentals of cognitive, emotional and psychosocial development in infancy and adolescence. To learn the biological, psychological and social fundamentals of personality and behaviour. To recognise, diagnose and direct the management of psychiatric disorders. To learn the bases of psychotherapy.
3 <sup>rd</sup>	Mobility Programme		Op	16	Activity aimed at providing students with stages at Spanish and foreign universities to enable recognition of the courses taken at them. For this, students shall do such stages at universities that have agreements with

					UPF or the UAB. Credit recognition shall take place once students provide the corresponding academic certificates that accredit having passed the corresponding subjects at the university where they did their stage. According to each student's bagaje, up to 16 ECTS credits may be recognised.
3 <sup>rd</sup>	Specific Training Blocks (the following six tracks)		Op	16	Activity aimed at providing students with stages at Spanish and foreign universities to enable recognition of the courses taken at them. For this, students shall do such stages at universities that have agreements with UPF or the UAB. Credit recognition shall take place once students provide the corresponding academic certificates that accredit having passed the corresponding subjects at the university where they did their stage. According to each student's bagaje, up to 16 ECTS credits may be recognised.
3 <sup>rd</sup>	Medicine		Op	8	General Oncology. Hospital-acquired infection and Antibiotics Policy. From Autoimmunity to Autoimmune Diseases. Clinical Medicine: from the Theory to the Practice.
3 <sup>rd</sup>	Surgery		Op	8	Organ and Tissue Transplants. Surgery at A&E. Basic Surgical Techniques. Anaesthesiology, Resuscitation and Pain Treatment.
3 <sup>rd</sup>	Community Medicine		Op	8	Social Determinants of Health. Occupational Medicine. Environmental Health. Community Health
3 <sup>rd</sup>	Biomedical Research		Op	8	Molecular and Cellular Bases of Pathology. Structural and Cellular Biology. Genomics, Bioinformatics and systems Biology. Model organisms in biomedical research in neurosciences, regeneration and cancer.
3 <sup>rd</sup>	Neurosciences: from Basic Science to Patient		Op	8	Addiction and impulse. Techniques of neuropsychiatric evaluation: from the interview to the neuroimage. Brain and Conduct. Introduction to Cognitive Neuroscience. Psychiatry and Medicine.
3 <sup>rd</sup>	Health Management		Op	8	Introduction to health management. Introduction to health management. Health economics. Public policies and health systems. Innovation and entrepreneurship in the health sector.

## Sixth year

Term	Subject	Field	Type of subject	ECTS credits	Description of the subject
2 <sup>nd</sup>	Bioethics		O	4	To learn the characteristics of informed consent. To learn to keep the principle of confidentiality. To learn the bases of medical ethics. To learn the principles of bioethics. To learn the bases of ethical conflict solving. To apply the personal and professional values of excellence, altruism, sense of duty, responsibility, integrity and honesty in exercising the profession. To recognise the need to uphold professional competency. To know how to tackle professional practice respecting the patient's autonomy, beliefs and culture.

1st	Legal Medicine and Toxicology		O	5	To learn the legal bases of exercising the medical profession. To recognise, diagnose and direct the management of physical and mental damage. To learn of the social and legal implications of death. To know and recognise the normal evolution of the corpse. To learn the bases of post-mortem diagnostics. To learn the bases of medical criminology. To acquire the ability to write medical-legal documents. To recognise, diagnose and direct the management of the main intoxications.
2nd	Preventive Medicine and Public Health		O	6	To learn the principles of preventive medicine and public health. To apply the methods of preventive medicine and public health. To understand the principle of risk factor and its importance in the prevention of illness. To identify the determinants of health in the population. To know the main health indicators. To learn to plan, programme and evaluate health programmes. To know how to prevent and protect against illness, lesions and accidents. To be able to evaluate the quality of healthcare and define patient safety strategies. To establish time guidelines concerning the administration of vaccinations. To learn of the economic and social implications involved in medical action, considering criteria of efficacy and efficiency. To learn the bases of the relationship between health and the environment. To learn the principles of food safety. To learn the bases of occupational health. To learn, critically evaluate and know how to use technologies and sources of clinical and biomedical information in order to obtain, organise, interpret and convey clinical, scientific and health related information. To understand and interpret the statistical data in the medical literature. To learn the principles of scientific method, biomedical research and clinical assay. To learn and handle the principles of medicine based on (the best) evidence.
1st	Clinical Pharmacology		O	6	To know the main groups of drugs, doses, routes of administration and pharmacokinetics, their interactions and adverse effects, and prescription and pharmacovigilance. To learn the bases of the pharmacology of the different apparatuses and systems. To describe the main analgesic, antineoplastic, antimicrobial and anti-inflammatory drugs. To know how to use the different drugs appropriately. To write medical prescriptions correctly, adapted to the situation of each patient and the legal requirements. To learn the principles of scientific method, biomedical research and clinical assay. To learn and implement the principles of medicine based on (the best) evidence. To learn the characteristics of informed consent. To learn, critically evaluate and know how to use technologies and sources of clinical and biomedical information in order to obtain, organise, interpret and convey clinical, scientific and health-related information. To learn of the existence and the principles of alternative medicines.

1st 2nd and 3rd	Rotating Internship General Programme I and II		O	34	<p>To learn the bases of family and community medicine in the environment of the sick person and the promotion of health in the family and community environment. To recognise, diagnose and direct the management of life-threatening situations. To learn how to perform a complete anamnesis, focusing on the patient and oriented at the different pathologies, interpreting their significance. To know how to perform a physical examination using apparatuses and systems as well as a psychopathological examination, interpreting their significance. To know how to evaluate the changes in clinical parameters for different ages. To establish a plan of action, focusing on the needs of the patient and the family and social environment, which is coherent with the patient's signs and symptoms. To know how to perform basic and advanced life support manoeuvres. To evaluate the risk/benefit ratio of diagnostic and therapeutic procedures. To learn the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests. To learn of the bases of rehabilitation, the promotion of self-sufficiency, the functional adaptation of/to the environment, and other physical procedures in morbidity in order to improve the quality of life. To know how to obtain and process a biological sample for study using the different diagnostic procedures. To know how to interpret the results of laboratory diagnostic tests. To manage disinfection and sterilisation techniques. To know how to interpret a radiological image through systematic reading. To know how to use the different drugs appropriately. To know how to carry out and interpret an electrocardiogram and an electroencephalogram. To write medical prescriptions correctly, adapted to the situation of each patient and the legal requirements. To assess nutritional state and plan a suitable diet for the different circumstances. To practise elementary surgical procedures: cleaning, haemostasis and suture of wounds. To learn the bases of family and community medicine in the environment of the sick person and the promotion of health in the family and community environment. To recognise, diagnose and direct the management of life-threatening situations. To learn how to perform a complete anamnesis, focusing on the patient and oriented at the different pathologies, interpreting their significance. To know how to perform a physical examination using apparatuses and systems as well as a psychopathological examination, interpreting their significance. To know how to evaluate the changes in clinical parameters for different ages. To establish a plan of action, focusing on the needs of the patient and the family and social environment, which is coherent with the patient's signs and symptoms. To know how to perform basic and advanced life support manoeuvres. To evaluate the risk/benefit ratio of diagnostic and therapeutic procedures. To learn the indications of biochemical, haematological, immunological, microbiological, anatomopathological and imaging tests.</p>
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1st, 2nd and 3rd	End-of-Degree Dissertation		O	6	<p>To learn, critically evaluate and know how to use technologies and sources of clinical and biomedical information in order to obtain, organise, interpret and convey clinical, scientific and health-related information. To learn the basic concepts of biostatistics and their application to the medical sciences. To understand and interpret the statistical data in the medical literature. To use biomedical search and information recovery systems. To understand and critically interpret scientific texts. To give an oral and written public presentation of scientific work and/or professional reports.</p>