

Practicals in Hospital Departments and Services

Code: 103609
ECTS Credits: 3

Degree	Type	Year	Semester
2502442 Medicine	OT	3	0
2502442 Medicine	OT	4	0
2502442 Medicine	OT	5	0
2502442 Medicine	OT	6	0

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Teachers

Manuel Monreal Bosch
Maria Rosa Bella Cueto
Olga Herminia Torres Bonafonte

Prerequisites

Basic competences in Cell Biology, Biochemistry and Molecular Biology, Anatomy and Physiology, it is convenient to have sufficient knowledge about the psychological bases of the states of health and disease, as well as an adequate level of knowledge in interpersonal communication.

Objectives and Contextualisation

This is an optional subject which can be studied from the third course and whose overall objective is to familiarise the student with professional practice in a real context, incorporated into the activities of a hospital service, or laboratory or research team, performing their own tasks in a supervised manner. Internship stays must be carried out within the "Unitat Docent" in which the student is enrolled.

Competences

- Medicine
- Communicate clearly, orally and in writing, with other professionals and the media.
- Demonstrate understanding of the causal agents and the risk factors that determine states of health and the progression of illnesses.

- Demonstrate understanding of the manifestations of the illness in the structure and function of the human body.
- Demonstrate understanding of the structure and function of the human organism in illness, at different stages in life and in both sexes.
- Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
- Recognise and take action in life-threatening situations and others that require an immediate response.
- Recognise the basic elements of the medical profession as the result of an evolving, scientific, social and cultural process, including ethical principles, legal responsibilities and patient-oriented professional practice.
- Use information and communication technologies in professional practice.

Learning Outcomes

1. Analyse the importance of nosocomial infections on health outcomes for hospitalised patients.
2. Assess, ethically and legally, the impact of nosocomial infections.
3. Categorise emergency situations in accordance with the available indices of seriousness.
4. Communicate clearly, orally and in writing, with other professionals and the media.
5. Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.
6. Describe the basic radiological and anatomopathological characteristics of infections and the factors that favour their development.
7. Describe the general and local factors that affect the development of diseases.
8. Establish a diagnostic and therapeutic approach in emergencies.
9. Identify the biochemical, cytogenetic and molecular biology markers applied to clinical diagnosis of importance in diagnostic imaging: radiological-anatomopathological.
10. Identify the cardiovascular risk factors and perform the actions of primary and secondary prevention.
11. Identify the radiological and anatomopathological alterations of the commonest diseases in the different body systems, at different stages in life and in both sexes.
12. Understand the manifestations of the main pathologies on the structure and function of the human body.
13. Use information and communication technologies in professional practice.

Content

Depending on availability, the student can choose which service or laboratory to incorporate. Three contexts are contemplated:

Practical clinical area in hospital services in the area of Medicine or Surgery.

During the practice, the student will observe:

- general aspects of the clinical relationship and of the concepts of health and illness
- healthcare methodology
- etiology, physiopathology, semiology and clinical propaeutics, major syndromes and manifestations of diseases
- diagnostic and therapeutic procedures of the most frequent diseases
- functional exploration of the different apparatuses and systems
- use of the techniques of the centre or service
- surgical act, control of the consequences of surgery
- medical and surgical syndromes.

The clinical experience can be completed with the attendance of clinical sessions, clinical-pathological, bibliographic, specific continuous training sessions, or others that the service has scheduled.

Area of laboratories and other central services:

Practical in clinical laboratory service (biochemistry, hematology, immunology, microbiology, pathological anatomy or pharmacology) or radiodiagnostic or nuclear medicine. In the case of clinical laboratories, the student will rotate through the different laboratories and sections in order to know which are the most used biomarkers in the clinical diagnosis and in which pathologies or situations are useful. During the stay, the student will attend the scientific sessions of the service that integrates. Integration into a line of research The student will be able to integrate in lines and research teams to familiarize yourself with the systems of information retrieval, search tasks of scientific and medical documents and the management of the biomedical databases.

During the stay, the student will record scheduled the most significant clinical experiences and summarize the content of the sessions in which it has participated. This documentation will be delivered at the end of the stay to the tutor.

Methodology

Teachers responsible for the subject at the Faculty level and the UDH are:

Department responsible: Vicent Fonollosa Pla

Responsables UDH

UD Vall d'Hebron: Joan Morote Robles

UD Germans Trias i Pujol: Manel Monreal Bosch

UD Sant Pau: Olga Torres (otorres@santpau.cat)

UD Parc Taulí: Maria Rosa Bella Cueto

Methodology: The student is incorporated into the activities of a service or laboratory for one week (5 days), 6 hours a day, to observe and/or perform assistive, training or research tasks, in a supervised manner. During the stay, will record the activity carried out to complete the summary portfolio. This summary, together with the opinion of the tutor, will form the basis of the assessment.

The student concerned must seek by his own means a tutor (UAB teacher) and a medical hospital service, surgical or laboratory activity, which will last at least 30 hours outside school hours, and will be different from the practice in the subjects of the curriculum. The services of psychiatry, obstetrics and gynaecology and paediatrics are excluded. The student will give the tutor a proposal of activity (use the specific sheet) where the contents of the same and its approval will be recorded. The completed application form will be delivered in the Academic Management and Information Point so that the Unit coordinator gives the approval to the activity. Once authorized, the Academic Management will send the student the authorization and the summary sheet of the activity and of qualification. At the end of the period of stay, the student will obtain the qualification of the activity. The student has to take the document (proposal, summary and qualification) to the Academic Management and Information Point to apply for recognition of credits, according to the usual procedure.

In the current exceptional circumstances, at the discretion of the teachers and also depending on the resources available and the public health situation, some of the theoretical classes, practicals and seminars organized by the Teaching Units may be taught either in person or virtually.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
CLINICAL PRACTICE	15	0.6	1, 3, 12, 4, 5, 7, 6,

Type: Supervised			
CLINICAL PRACTICE	15	0.6	1, 3, 12, 4, 5, 7, 6, 9, 11, 13
Type: Autonomous			
PERSONAL WORKS / PERSONAL STUDY/READING ARTICLES / REPORTS OF INTEREST	44	1.76	1, 3, 12, 4, 5, 7, 6, 9, 11, 13

Assessment

During the scheduled stay, the student will record the most significant clinical experiences and summarize the content of the sessions in which he has participated. This documentation shall be delivered at the end of the stay to the tutor of the stay and shall form the basis for its evaluation. Students will be informed at the beginning of the course of the procedure that they will have to follow to deliver the documentation. The register of activities includes a summary of the clinical experience, of all the tasks he has performed and of the sessions in which he has participated. The responsible tutor of the student will monitor the achievement of the programmed objectives on a daily basis. The student must have attended at least 80 % of the programmed activities and have a positive evaluation of the tutor and have passed.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Activity record	50%	0.5	0.02	4, 13
Attendance and active participation	50%	0.5	0.02	1, 3, 12, 4, 5, 7, 6, 8, 10, 9, 11, 13, 2

Bibliography

Consult the specific bibliography of the teaching guides of the different subjects of the training modules human clinical, diagnostic and therapeutic procedures and social medicine, communication skills and initiation to research.