

**Medical-Surgical Placement III**

Code: 106717  
ECTS Credits: 6

Degree	Type	Year	Semester
2502442 Medicine	OB	5	0

## Contact

Name: Ramón Miralles Basseda

Email: ramon.miralles@uab.cat

## Teaching groups languages

You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject. Please note that this information is provisional until 30 November 2023.

## Teachers

Salvador Navarro Soto

Eduardo Maria Targarona Soler

Jose Alvarez Sabin

Nivardo Rodriguez Conde

Jorge Estela Herrero

## Prerequisites

MEDICAL-SURGICAL CLINICAL PRACTICES III (adapted name of the Subject-matter)

It is a subject of the fifth year of the medical degree, so it is advisable that students do not have any subjects or material without approval from previous years. It is advisable to have acquired sufficient knowledge in: Biostatistics, Bioethics and communication, Epidemiology, Physiopathology and clinical semiology, Surgical pathology. Medical pathology Clinical pharmacology.

If the following subjects have not been passed, it should be incompatible: Medical Physiology I and II. Human Anatomy: Splacnology. Medical Psychology. Human Anatomy Neuroanatomy. Structural and Molecular Pathology. General Pharmacology. Physiopathology and Clinical Semiology.

The student will acquire the commitment to preserve the confidentiality and professional secrecy of the data that he may have access in the process of the learning and in the clinical care wards (in the hospital). Also in maintaining an attitude of professional ethics in all their actions.

## Objectives and Contextualisation

The subject and its contents corresponds to the fifth year of the degree in Medicine, once the student should already have important knowledge of the scientific bases of medicine and the different medical and surgical pathologies that are part of this subject (neurology and neurosurgery, geriatrics, endocrinology , endocrine surgery and infectious diseases).

This is a subject that only involves clinical practices, therefore the general objective for the student is to consolidate the previous knowledge and achieve the relevant clinical, communication and scientific information and management skills to be able to:

- Recognize the basic health problems (related to the medical and surgical specialties mentioned above) and make reasoned proposals for their solution, using the appropriate clinical and biomedical information sources, scientifically interpreting the results obtained
- Communicate with other health professionals, with patients and their relatives, clearly and effectively
- Update knowledge autonomously with their own study

Therefore, in relation to the specialties that are part of this subject, the student must know:

- Prepare a clinical history in a structured way and do a complete physical examination
- Prepare a reasoned differential diagnosis and formulate a diagnostic hypothesis
- Justify the laboratory, imaging or other diagnostic tests that must be requested and correctly interpret results obtained
- Propose an appropriate treatment, inform the patient and relatives and write an explanatory report (clinical reports)
- Use new technologies and web resources to access clinical and biomedical databases, obtain relevant information and communicate

## **Competences**

- Demonstrate understanding of the manifestations of the illness in the structure and function of the human body.
- Establish a diagnostic approach and a well thought-out strategy for action, taking account of the results of the anamnesis and the physical examination, and the results of the appropriate complementary tests carried out subsequently.
- Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
- Indicate the basic diagnosis techniques and procedures and analyse and interpret the results so as to better pinpoint the nature of the problems.
- Indicate the most suitable treatment for the most prevalent acute and chronic processes, and for the terminally ill.
- Obtain and prepare a patient record that contains all important information and is structured and patient-centred, taking into account all age and gender groups and cultural, social and ethnic factors.
- Perform a general and a system-by-system physical examination appropriate to the patient's age and sex, in complete and systematic way, and a mental evaluation.
- Recognize one's role in multi-professional teams, assuming leadership where appropriate, both for healthcare provision and for promoting health.

## **Learning Outcomes**

1. Anticipate and compare information for good decision-making.

2. Describe the effects on all organs and systems of diseases of the blood, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the genitourinary system, infectious pathologies and diseases of the elderly.
3. Describe the main pathological situations of the musculoskeletal system, the blood, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the genitourinary system, infectious pathologies and diseases of the elderly.
4. Design the treatment for the main infectious diseases, diseases of the blood, of the elderly, and of the hematopoietic system, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the renal and genitourinary system, the retroperitoneal system and the musculoskeletal system.
5. Explain the mechanisms by which illness affects the structure and function of the human body.
6. Formulate hypotheses and compile and critically assess information for problem-solving, using the scientific method.
7. Indicate the complementary examinations for diagnosing the main infectious diseases, diseases of the blood, of the elderly, and of the hematopoietic system, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the renal and genitourinary system, the retroperitoneal system and the musculoskeletal system.
8. Perform a suitable physical examination for the main infectious diseases, diseases of the blood, of the elderly, and of the hematopoietic system, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the renal and genitourinary system, the retroperitoneal system and the musculoskeletal system.
9. State the most probable diagnosis for the main infectious diseases, diseases of the blood, of the elderly, and of the hematopoietic system, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the renal and genitourinary system, the retroperitoneal system and the musculoskeletal system.
10. Write a report giving guidance on diagnosing the main infectious diseases, diseases of the blood, of the elderly, and of the hematopoietic system, the cardiovascular system, the digestive system, the respiratory system, the endocrine system, the nervous system, the renal and genitourinary system, the retroperitoneal system and the musculoskeletal system.

## Content

### Contents (distributive blocks)

- Rotations for medical services (neurology, geriatrics, endocrinology and infectious diseases) and surgical services (neurosurgery, general surgery related to geriatrics, infectious diseases and endocrine surgery)
- Participation in medical and surgical wards
- Continuous training in hospital clinical sessions
- As part of the rotation, and in a variable way depending on the possibilities and needs of the rotation, the student should participate in:
  - the medical and surgical skills training
  - medical and surgical equipment for the specialties mentioned above
  - preparation of clinical histories (clinical notes, lists of problems and differential diagnoses)

	credits (medical area)	hours (medical area)	days (medical area)	credits (surgical area)	hours (surgical area)	days (surgical area)
neurology	1,4	21	7,00			

geriatrics	0,9	13,5	4,50
endocrinology	0,85	12,75	4,25
infectious diseases	0,85	12,75	4,25
neurosurgery	1	15,00	5,0
general surgery (geriatr)	0,3	4,50	1,50
general surgery (endocr)	0,35	5,25	1,75
general surgery (infect)	0,35	5,25	1,75

Subject matter credits: 6 ECTS = 150 hours :

60% PRESENTIAL ACTIVITIES (90 h): rotations for hospital medical and surgical services. The students will join with the medical team for 3 weeks. These rotations periods will preferably be done in the morning hours. The specific calendars and timetables for each rotation will be established in each teaching unit and will be announced on the corresponding website.

40% INDEPENDENT ACTIVITIES (60 h): reading care protocols, bibliographic consultation and personal study, summary and conceptual assimilation of contents, preparation of a clinical case (optional).

15 minutes will be reserved, within the calendar established by the center/degree, for the students to complete the evaluation surveys of the teaching staff's performance and the evaluation of the subject/module.

Exceptionally, and according to the criteria of the responsible teaching staff, the available resources and the current health situation of the community (pandemia) in the different Teaching Units, part of the content corresponding to the theoretical lessons, practicals and seminars, may be taught semi-presencial or virtually (distance)

## Methodology

\*of the 60 h of autonomous activities it has to be subtracted 5 h (0,20 ECTS) that are consumed in avaluation activities

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Clinical care practice	90	3.6	1, 2, 3, 4, 8, 5, 9, 6, 7, 10
Type: Autonomous			

Own personal study	42.5	1.7	1, 2, 3, 4, 8, 5, 9, 6, 7, 10
To read articles and documents of interest	12.5	0.5	1, 2, 3, 5, 9, 6, 7

## Assessment

### Evaluation

The Hospital Teaching Unit will determine the rotation or rotations the student must go through. The evaluation will be continued in all rotations. Clinical histories, admission notes, lists of problems, differential diagnoses and other activities that the responsible teachers of the area consider appropriate will be evaluated, as may be the case of attendance at clinical sessions / hospital conferences and/or other events related to clinical activity. Below is an indicative rating scale:

Evaluation	Notes *				
Attendance and punctuality	1	2	3	4	5
Attitude	1	2	3	4	
Participation and integration	1	2	3		
Initiative	1	2			
Communication	1	2			

\* the student will be considered Apto if he/she arrives to equal o more 11 points (max 16 points)

Definitions of the dimensions: *Attendance and punctuality* : it will be assessed as the students have regularly attended all the days of the rotation and as, in case of absence, they have given notice (justified). *Attitude* : it will be valued that the student is willing to learn, that he knows and reviews the clinical cases, that he asks questions and shows a positive attitude towards learning. *Participation and integration* : The responsibility of the students in the tasks that the tutor asks of them, the ability to work in a team and the opinions they contribute in a session or in other assistance activities will be assessed. *Initiative* : It will be assessed if the student is curious to learn, read the protocols of the service, the diagnostic and treatment guides. *Communication* : It will be assessed if the student is able to synthesize and communicate a clinical case to team mates (in team meetings or in a clinical session).

Students who do not take the assessment tests detailed above will be considered "Not Assessed", exhausting their rights to register for the subject-matter. Special situations will be assessed individually and in agreement with responsible teachers of the different areas involved, in the different rotations periods.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
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## Bibliography

- Bibliography
  - We recommend consulting la Digital Library of the Facultat de Medicina de la UAB

<https://www.uab.cat/web/guies-tematiques/medicina-1345711614714.html>

and also presencial Librarys of each one of the Teaching Hospital Units

- Farreras Rozman. Medicina Interna 19<sup>a</sup> edition.

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[https://bibcercador.uab.cat/permalink/34CSUC\\_UAB/1c3utr0/cdi\\_askewsholts\\_vlebooks\\_9788491138365](https://bibcercador.uab.cat/permalink/34CSUC_UAB/1c3utr0/cdi_askewsholts_vlebooks_9788491138365)

- Harrison. Principles of Internal Medicine 21<sup>a</sup> edition

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[https://bibcercador.uab.cat/permalink/34CSUC\\_UAB/avjcib/alma991010637433606709](https://bibcercador.uab.cat/permalink/34CSUC_UAB/avjcib/alma991010637433606709)

Internet resources

- Pubmed. <http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed>
  - <https://pubmed-ncbi-nlm-nih-gov.are.uab.cat/?otool=bibuablib>
  - Google Scholar: <http://scholar.google.es/>
  - Scielo: <http://www.scielo.cl/>
  - [https://bibcercador.uab.cat/permalink/34CSUC\\_UAB/1eqfv2p/alma991010760035206709](https://bibcercador.uab.cat/permalink/34CSUC_UAB/1eqfv2p/alma991010760035206709)
  - Uptodate: <https://www.uptodate.com/contents/search> (*no disponible al catàleg de la UAB*)
  - <http://www.gencat.cat/ics/professionals/guies/>

## Software

No specific software required