

Degree programme	Type	Course
Medicine	FB	2

Contact lecturer

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Group languages

You can consult this information at the [end](#) of the document.

Prerequisites

It is advisable that students have attained basic competences in Biostatistics and that have an English language level that allows them to understand audiovisual material and texts written in this language.

Objectives

The subject is taught in the second year of the Degree in Medicine, in the pre-clinical training stage, a period dedicated to students acquiring basic knowledge about the structure and function of the human body. Its general objectives are that students:

- To acquire a repertoire of knowledge about the basic processes of human thinking, emotions and behaviour that allow the students to discern in future training stages between normal and abnormal psychological functioning.
- To interpret and use concepts and measures derived from basic psychology that are commonly used in

medical practice.

- To describe the limitations and biases of our brain in information processing and the repercussions that they have on the behaviour of the health professional and in that of the user of the health services.
- To describe the relationship between psychological states, personality traits and somatic illness.
- To describe the most common mental disorders and the most commonly used mental disorders classification systems.
- To describe the essential characteristics and applications of the various evidence-based psychological treatments that can be used in medical practice.
- To be able to change the paradigm of the single model for the bio-psycho-social one that includes not only gender and age perspectives but also transversal bio-psycho-social competencies associated with equity, diversity and inclusion.
- All these objectives must contribute to the students obtaining a background of competences that will enable a better understanding of the thinking-emotions-behavior triad of the users of the health systems, their own triad and the professional relationship with the user and the healthcare team.

Learning outcomes

1. Transfer basic knowledge of the cognitive processes and personality processes to the field of health.
2. Define basic features of developmental psychology.
3. Describe the factors determining cognitive and social development and developmental differences between individuals.
4. Explain cognitive, emotional and psychosocial development in childhood, adolescence and adulthood.
5. Identify the problems of development.
6. Describe the main cognitive processes (thought, language, intelligence, sensation, perception, attention, consciousness, memory, learning).
7. Distinguish the disorders associated with cognitive and personality processes.
8. Describe the main methods for classifying abnormal behaviour.
9. Explain the concept of mental disorder.
10. Describe the general classification of mental disorders based on the ICD of the WHO and on the DSM.
11. Identify the main characteristics of the most common mental disorders.
12. Identify the general aetiological factors involved in mental disorders.
13. Define the main concepts and theories of the processes of motivation and emotion.
14. Distinguish the main mechanisms that regulate the processes of motivation and emotion.
15. Identify forms of measurement of the processes of motivation and emotion and explain their limitations.
16. Assess the relationships between the processes of motivation and emotion.
17. Identify links between motivation and emotion and other psychological processes.
18. Transfer the basic conceptual understanding of the processes of motivation and emotion to the field of health.
19. Identify the most significant changes in human development at each stage in life and their effects.
20. Distinguish and explain the different research methods in psychology.
21. Enumerate the advantages and the limitations of the scientific method in psychology.
22. Describe the influence of the cognitive processes (expectations, attributions, etc.) in decision-making.
23. Administer psychological tests with screening functions, interpret results and draw conclusions.
24. Point out the main components of a psychopathological examination.
25. Demonstrate, in professional activity, a perspective that is critical, creative and research-oriented.

Contents

THEORY TOPICS

T1. Psychology and medicine: conceptual and methodological aspects

T2. Psychology of development

T3. Psychology of aging

T4. Sensation and perception

T5. Attention and consciousness

T6. Thinking and language

T7. Intelligence

T8. Personality

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T9. Elemental learnings and classical conditioning

T10. Instrumental conditioning

T11. Memory

T12. Motivation and emotion

T13. Physician-patient relationship

T14. Stress, illness and health

T15. Mental disorders

T16. Psychological treatments in medicine

LABORATORY PRACTICE (PLABs)

PLAB 1. Anxiety and stress: measurement and management

CLASSROOM PRACTICES (PAUL)

PAUL 1. Assessment of behaviour through psychological tests

PAUL 2. Analysis of communication in clinical situations

PAUL 3. Mental disorders and psychological treatments

VIRTUAL SELF-LEARNING ACTIVITIES WITH PROGRAMMED DELIVERY (AVAs)

AVA 1. Assessment of behaviour through psychological tests

AVA 2. Biases in human thinking

AVA 3. Evaluation of the clinical relationship with the CICA scale

AVA 4. Psychoneuroimmunology

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Theory	43	1.72	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 25
VIRTUAL SELF-LEARNING ACTIVITIES / SELF-STUDY /	91	3.64	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,

READING ARTICLES / REPORTS OF INTEREST			14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
Classroom practices (PAUL)	6	0.24	1, 7, 8, 9, 11, 12, 14, 15, 17, 18, 20, 22, 23, 24, 25
Laboratory practices (PLAB)	3	0.12	1, 7, 8, 9, 11, 12, 14, 15, 17, 18, 20, 23

Theoretical classes, laboratory practices, classroom practices and autonomous activities (virtual self-learning activities, individual study, bibliographic or documentary consultations, Virtual Campus consultation).

The evaluable theoretical content will include the material taught in the theory classes and the chapters or parts of the chapters of the textbook of the subject [FELDMAN, R. (2021). Understanding Psychology (15th ed.). New York: McGraw Hill] that will be determined by faculty for each topic.

Virtual self-learning activities are activities that must be performed using the Campus Virtual and that are linked to the theoretical topics or to the practices. They must be responded and delivered within a period of 6-7 days after their publication according to a schedule that will be announced at the beginning of the course. Once the delivery period of the exercises has ended, the students will have the answer templates for self-scoring.

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.

Assessment

Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes
Laboratory and Classroom practices and related activities: Written evaluation with objective tests: Selections Items: Multiple choice questions	35%	2	0.08	1, 7, 8, 9, 11, 12, 14, 15, 17, 18, 20, 22, 23, 24, 25
Theory and related activities: Written evaluation: Objective tests: Selection items: Multiple choice questions	50%	4	0.16	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
Assessment and participation in virtual activities and practices.	15%	1	0.04	1, 7, 8, 9, 11, 12, 14, 15, 17, 18, 20, 22, 23, 24, 25

REQUIREMENTS TO PASS THE SUBJECT

For evaluation purposes, the subject is divided into two integrated blocks: a) Block first part of theory that includes the subject of theory corresponding to topics 1 to 8 and virtual activities 1 and 2 + practices (of laboratory, PLAB 1) ; b) Block second part of theory that includes the subject of theory of the subjects 9 to 16 and the virtual activities 3 and 4 + practices (classroom practices, PAUL 1, 2 and 3).

To pass the subject, students must have passed each of the two integrated Blocks with a minimum grade of 5. Students will have two opportunities to pass each of the Blocks: the first, in the calls for partial assessments and the second in the resit test.

CONTINUOUS EVALUATION

1. Partial assessments of the subject

During the course there will be two partial assessments. The dates will be set by the Coordination Team of the Teaching Unit. These assessments, if passed, will serve to eliminate material from the recovery test. Each exam will result in a separate grade. The questions will be multiple choice format with five possible answers

and only a valid option and will be written in Catalan and Spanish language.

A correction will be applied to discount random correct answers [Corrected score = (correct answers - (errors / 4))] which will be transformed into a note that can range from 0 to 10.

The first partial assessment will consist of an exam of 40 questions, with two integrated parts: a) First partial theory, of 36 questions on the contents of the Block first part of theory (32 questions from topics 1 to 8, plus 2 questions from each AVA) and b) practice exam, with 4 questions on the subject matter of the first part of practice Block (PLAB 1).

The second partial assessment will also consist of an exam of 40 questions, with two integrated parts: a) Second partial theory, of 32 questions on the contents of the Block second part of theory (28 questions from subjects 9 to 16, plus 2 questions of each AVA) and b) practice exam, with 8 questions on the subject matter of the second part of practice Block (PAUL 1, 2 and 3).

After each assessment, students will have a period of 24 hours to send, through the Virtual Campus, comments or complaints about the questions, which will be analyzed by the teaching staff before publishing the provisional list of grades. Subsequently, after the list of grades has been published, an examination review session will be called which will be announced at least two days in advance.

2. Participation in practices and virtual activities

2.1. Active participation in practicals: At the end of each practical session, an evaluation activity (short questions) will be carried out with the aim that students can demonstrate their participation in the academic process of the subject.

2.2. Participation in the virtual activities: The delivery of the answers to each of the virtual activities will be counted.

3. Test of reassessment

Students who have not passed the subject through the partial assessments may take a make-up test that will be held on the day set by the Coordination Team of the Teaching Unit. The test will consist of 2 parts, with the same distribution of partials: 1) First partial theory and practical exam; 2) Second partial theory and practice exam. Each student will only have to examine the part that they did not pass in the partial assessments.

The characteristics of the exams as well as the formula to calculate the grade will be the same as those of the partial assessments.

After the exams, students will have a period of 24 hours to send comments or complaints about the questions through the Virtual Campus, which will be analyzed by the teaching staff before publishing the provisional list of grades. Subsequently, after the list is published, an examination review session will be called.

Students who have not passed the subject through the partial evaluations and who on the day of the make-up test do not appear for the exam or exams of the parts not passed, will be qualified as "NOT ASSESSABLE".

4. Final mark of the subject

Final mark = $\left[\left(\frac{\text{mark 1st PARTIAL} + \text{mark 2nd PARTIAL}}{2} \right) * 0.85 \right] + \left[(\text{mark of the short questions of the practice part} + \text{virtual self-learning activities}) * 0.15 \right]$.

This formula will only be applied if a grade of 5 has been obtained in each of the 2 PARTIALS of the subject.

The final grade for students who have not passed the two partials of the subject after the make-up test will be:

In the event that the grade resulting after applying the formula to calculate the Final Grade is ≤ 4.7 , that grade will be given.

In the event that the grade resulting after applying the formula to calculate the Final Grade is > 4.7 , the final grade will be 4.7.

SINGLE ASSESSMENT

1. Single assessment

The people assigned to the SINGLE ASSESSMENT will have ONE ASSESSMENT TEST at the end of the course, which will have the same characteristics and will be scored the same as the one described above. This evaluation will include:

(I)- Two PARTIAL assessments (2 partial exams): $(1\text{st PARTIAL} + 2\text{nd PARTIAL})/2 * 0.85$

(II)- A "test of 6-8 short questions" (very short) which will correspond to the practices and virtual self-learning activities (Note "test of short questions" + virtual self-learning activities) * 0.15.

2. Final mark of the subject

The FINAL MARK will be the sum of the grades (I) + (II).

3. Test of reassessment for people with "SINGLE ASSESSMENT"

The TEST OF REASSESSMENT for people with SINGLE ASSESSMENT will consist of an exam of 24 short questions, 1 question for each topic of theory (total, 16 questions), each AVA (total, 4 questions), each practice (1 of PLAB1, 1 of each PAUL; total, 4 short questions).

Bibliography

Specific bibliography

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Consultation bibliography (can be found in the UAB libraries)

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WARD, J. (2015). The student's guide to cognitive neuroscience (3rd ed.). New York: Psychology Press.

Software

No need for specific software.

Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this [link](#). To access the information, you will need to enter the course CODE

Type of teaching	Group	Language	Semester	Shift
(PAUL) Classroom practices	1	Catalan	first semester	afternoon
(PLAB) Practical laboratories	1	Catalan	first semester	afternoon
(PAUL) Classroom practices	2	Catalan	first semester	afternoon
(PLAB) Practical laboratories	2	Catalan	first semester	afternoon
(PAUL) Classroom practices	3	Catalan	first semester	afternoon
(PLAB) Practical laboratories	3	Catalan	first semester	afternoon
(PAUL) Classroom practices	4	Catalan/Spanish	first semester	afternoon
(PLAB) Practical laboratories	4	Catalan	first semester	afternoon
(PAUL) Classroom practices	5	Catalan/Spanish	first semester	afternoon
(PLAB) Practical laboratories	5	Catalan	first semester	afternoon

(PAUL) Classroom practices	6	Catalan/Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	6	Spanish	first semester	afternoon
(PAUL) Classroom practices	7	Catalan/Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	7	Spanish	first semester	afternoon
(PAUL) Classroom practices	8	Catalan/Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	8	Spanish	first semester	afternoon
(PAUL) Classroom practices	9	Catalan	first semester	morning-mixed
(PLAB) Practical laboratories	9	Spanish	first semester	afternoon
(PLAB) Practical laboratories	10	Spanish	first semester	afternoon
(PLAB) Practical laboratories	11	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	12	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	13	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	14	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	15	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	16	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	17	Spanish	first semester	morning-mixed
(PLAB) Practical laboratories	18	Spanish	first semester	morning-mixed
(TE) Theory	101	Catalan	first semester	morning-mixed
(TE) Theory	102	Catalan	first semester	morning-mixed
(TE) Theory	103	Catalan	first	afternoon

semester