



Universitat de Lleida

DEGREE CURRICULUM  
**BIOLOGICAL BASIS FOR THE  
ATTENTION TO THE PERSON:  
ANATOMY**

Coordination: AYALA JOVE, MARIA VICTORIA

Academic year 2022-23

Subject's general information

|   |   |               |                  |                  |
|---|---|---------------|------------------|------------------|
| <b>Subject name</b>                             | BIOLOGICAL BASIS FOR THE ATTENTION TO THE PERSON: ANATOMY |               |                  |                  |
| <b>Code</b>                                     | 100450  |               |                  |                  |
| <b>Semester</b>                                 | 1st Q(SEMESTER) CONTINUED EVALUATION                      |               |                  |                  |
| <b>Typology</b>                                 | <b>Degree</b>   | <b>Course</b> | <b>Character</b> | <b>Modality</b>  |
|   | Bachelor's Degree in Nursing                              | 1             | COMMON/CORE      | Attendance-based |
|   | Grau en Infermeria (R 2016 - lg)                          | 1             | COMMON/CORE      | Attendance-based |
| <b>Course number of credits (ECTS)</b>          | 6   |               |                  |                  |
| <b>Type of activity, credits, and groups</b>    | <b>Activity type</b>                                      | PRALAB        | PRAULA           | TEORIA           |
|   | <b>Number of credits</b>                                  | 1             | 0.8              | 4.2              |
|   | <b>Number of groups</b>                                   | 9             | 8                | 4                |
| <b>Coordination</b>                             | AYALA JOVE, MARIA VICTORIA                                |               |                  |                  |
| <b>Department</b>                               | EXPERIMENTAL MEDICINE                                     |               |                  |                  |
| <b>Important information on data processing</b> | Consult <a href="#">this link</a> for more information.   |               |                  |                  |

| Teaching staff                        | E-mail addresses           | Credits taught by teacher | Office and hour of attention |
|---------------------------------------|----------------------------|---------------------------|------------------------------|
| AYALA JOVE, MARIA VICTORIA            | victoria.ayala@udl.cat     | 8,8                       |                              |
| MACARULLA SANZ, ENRIC                 | enric.macarulla@udl.cat    | 3                         |                              |
| MARTIN GARI, MERITXELL                | meritxell.martin@udl.cat   | 2,5                       |                              |
| MOTA MARTORELL, NATALIA               | natalia.mota@udl.cat       | 8,3                       |                              |
| SALVANY MONTSERRAT, SARA              | sara.salvany@udl.cat       | 9,6                       |                              |
| SERRANO CASASOLA, JOSE CARLOS ENRIQUE | josecarlos.serrano@udl.cat | 0                         |                              |

## Subject's extra information

This subject offers a scientific knowledge of the human body from the study of its structure from the molecular level to the organism considered as a whole, applicable to human health

## Learning objectives

Goals:

-To introduce to the student in the knowledge of the parts of the human skeletal muscle system and the different organs from anatomical models and audiovisual and printed material.

-To provide the student with the anatomical bases of the tissues, organs and systems of the human body and basic terms in anatomy.

-To optimize and reinforce the knowledge of basic concepts of anatomy necessary for the future professional of nursing.

## Competences

**Basic:**

CB1. To know and to understand knowledge in an area of study that starts from the base of general secondary

education, and is usually found at a level that, although supported by advanced textbooks, also includes some aspects that imply knowledge from the avant-garde of your field of study.

CB2.To apply their knowledge to their work or vocation in a professional manner and possess the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study.

CB5.To know how to develop those learning skills necessary to undertake further studies with a high degree of autonomy.

## **Specific:**

CE1.To know and identify the structure and function of the human body.

CE2. To understand the molecular and physiological bases of cells and tissues.

## **Transversal:**

CT1. To acquire adequate comprehension and written oral expression of Catalan and Spanish.

## Subject contents

Module 1.

General Anatomy

- Definition of Human Anatomy
- Levels of structural organization.
- Life processes.
- Description of the anatomical position.
- Main regions of the body.
- Body cavities.
- Reference plans and descriptive and management terms.
- Regions and reference lines.
- Locomotor apparatus. Generalities Bones and cartilages. Joints
- Muscles. Biomechanics of the locomotor apparatus.
- Peripheral driving systems.

Generalities Circulatory system and nervous system.

Module 2. Skeleton of the head. Viscera of the head and neck.

Module 3. Locomotor apparatus of the trunk

Module 4. Anatomy of the members

Module 5. Thoracic viscera.

Module 6. Viscera of the abdomen.

Module 7. Nervous system and organs of the senses.

Module 8. Theoretical-practical in osteoteca and laboratory.

## Methodology

| Work-in-class activities  | Non-contact work activities (outside the classroom) |  |
|---|---|--|
|   | non-contact work activities                         | autonomous activities  |
| <ul style="list-style-type: none"> <li>• Lecturer exposition (42h)</li> <li>• Group work (seminars, osteoteca) (18h)</li> </ul> |   | <ul style="list-style-type: none"> <li>• Personal study (80h)</li> <li>• To search information (8h)</li> <li>• Preparation of the reports of the practices (2h)</li> </ul> |

## Development plan

| Session or Week | Metodology                             | Activities                                  | HTP | HTNP** | Evaluation value |
|-----------------|--|---|-----|--------|------------------|
|                 | Lecturer exposition                    | Subject Presentation and and course working | 1   | 0      |                  |
|                 | Unit Exposition 1 and 2                | Unit theory 1 and 2 exposition              | 10  | 21     |                  |
|                 | Unit 8 practices                       | Osteoteca                                   | 18  | 2      | 15%              |
|                 | Questionnaire                          | Units 1 and 2 questionnaire                 | 1   | 0      | 10%              |
|                 | Units 3 and 4 expositions              | Unit theory 3,4 exposition                  | 10  | 26     |                  |
|                 | Units 5,6 and 7 expositions            | Theory Units 5,6 and 7                      | 18  | 40     |                  |
|                 | drafting, exposition and work in group | Exposition in work-group                    | 1   | 1      | 25%              |
|                 | final evaluation test                  | Evaluation with a test Units 3,4,5,6,7      | 1   | 0      | 50%              |

\*\*HTP: Horas trabajo Presencial. HTNP: Horas de trabajo no presencial

## Evaluation

|   |     |     |
|---|-----|-----|
| Questionnaire   | 1h  | 10% |
| Drafting work and exposition  | 1h  | 25% |
| Final test evaluation   | 1h  | 50% |
| Assistance to practices and seminars and deliveryng questionnaires. | 18h | 15% |
| Teaching hours  | 39h |     |

### Other evaluation requirements

The important things:

- The final evaluation test will be done during the period of evaluations and delivery of works and is the only one that gives possibilities of recovery (within the period established for that purpose) when the student does not exceed it with a 5.
- It is essential to obtain a 5 in the evaluation test to be able to make the average with the other evidences.
- In case the student does not pass the evaluation test, or does not appear and go to the recovery, the grade of this evaluation will weigh 40%, instead of 50%.
- To make the average that will allow to pass the subject, all the evidences described above must have been made and delivered.

**Single evaluation:**(final exam 85% in which the knowledge of the subject will be specifically evaluated, + oral presentation individual work 15%, this evaluation will be carried out to demonstrate the oral abilities merging the knowledge and reasoning and the answer to problems in an effective way.

## Bibliography

### Books:

- DORLAND. Diccionario enciclopédico ilustrado de medicina. 30ªed. Elsevier, Barcelona, 2005.
- TORTORA GJ, GRABOWSKI SR. Principios de Anatomía y Fisiología. 11ª ed. Panamericana-UNAM, 2006.
- TORTORA GJ, GRABOWSKI SR. Introducción al cuerpo humano. Fundamentos de Anatomía y Fisiología. 7ª ed. Panamericana-UNAM, 2008.
- THIBOUDEAU GA, PATTON KT. Anatomía y Fisiología. 6ª ed. Elsevier Barcelona, 2007.
- DRAKE RL.VOGL W, MITCHELL A. Gray: Anatomía bàsica. Elsevier, Barcelona. 2013.
- LIPPERT H. Anatomía con orientación clínica para estudiantes. 1ªed, 1999, Marban, Madrid, reimpressió 2010.
- GARTNER L. Atlas en color de histología. 5ªed, Panamericana, 2011.
- YOUNG B, HEATH JW. Wheater's Histología Funcional. Texto y Atlas en Color. 4ªed, Elsevier, Barcelona, 2000
- SOBOTTA J. Atlas de Anatomía Humana. 3 volums. 23ªed, Elsevier, Barcelona. 2012.

- HANSEN JT. NETTER Cuaderno de anatomia para colorear. 2a edición 2015 Elsevier, Barcelona, 2015.

## **Journals:**

GARABED EKNOYAN, ROBERT RUBENS AND NORBERT LAMEIRE. *The juxtaglomerular apparatus of Norbert Goormaghtigh—a critical appraisal*. *Nephrol Dial Transplant* (2009) 24: 3876–3881

## **Web references:**

- [cms.clevelandclinic.org/.../body.cfm?id=111](https://cms.clevelandclinic.org/.../body.cfm?id=111)
- Web Student consult images Elsevier
- Harrinson's online
- Images MD: the online encyclopedia of medical images

Diccionari enciclopèdic de Medicina

## **Audiovisual support:**

El cuerpo humano. BBC.