



1. General information

Course: HUMAN ANATOMY II
Type: CORE COURSE
Degree: 332 - UNDERGRADUATE DEGREE PROGRAMME IN MEDICINE
Center: 9 - FACULTY OF MEDICINE OF CIUDAD REAL
Year: 1

Main language: Spanish

Use of additional languages:

Web site: <https://www.uclm.es/ciudad-real/medicina>

Code: 34309

ECTS credits: 6

Academic year: 2023-24

Group(s): 20

Duration: C2

Second language: English

English Friendly: Y

Bilingual: N

| | | | | |
|---|------------------|--------------|----------------------------|----------------------------|
| Lecturer: VERÓNICA ASTILLERO LÓPEZ - Group(s): 20 | | | | |
| Building/Office | Department | Phone number | Email | Office hours |
| FACULTAD DE MEDICINA (CR)/2.02 | CIENCIAS MÉDICAS | 926051943 | Veronica.Astillero@uclm.es | Agree in advance by email. |
| Lecturer: ALINO JOSE MARTINEZ MARCOS - Group(s): 20 | | | | |
| Building/Office | Department | Phone number | Email | Office hours |
| FACULTAD DE MEDICINA (CR)/2.03 | CIENCIAS MÉDICAS | 926051923 | alino.martinez@uclm.es | Agree in advance by email. |

2. Pre-Requisites

Those required to access the Medicine Degree.

3. Justification in the curriculum, relation to other subjects and to the profession

The subject "Human Anatomy II" belongs to Module I (Morphology, Structure and Function of the Human Body) and Subject 1.2 (Development, Structure and Function of the Healthy Human Body at the Tissue, Organic and Systems Level) of the Medicine Teaching P

The contents of the Course refer to the general embryonic development and the anatomy of the head, including bone, joint, muscular, vascular and nervous elements. Aspects of the embryology of the skull and of the sense organs are included, as well as esthesiology.

It is necessary to pass this course in order to pass the second year course "Integrated Morphology, Structure and Function of the human body"

4. Degree competences achieved in this course

Course competences

| Code | Description |
|------|---|
| 1.12 | Embryonic development and organogenesis. |
| 1.13 | To know the morphology, structure and function of the skin, blood, circulatory, digestive, locomotor, reproductive, excretory and respiratory apparatus and systems; endocrine system, immune system and central and peripheral nervous system. |
| 1.17 | Handling basic laboratory material and techniques. |
| 1.19 | Recognize with macroscopic and microscopic methods and imaging techniques the morphology and structure of tissues, organs and systems. |
| CT01 | Proficiency in a second foreign language at level B1 of the Common European Framework of Reference for Languages. |
| CT03 | Good oral and written communication skills. |
| G07 | Understand and recognize the normal structure and function of the human body, at the molecular, cellular, tissue, organic and system levels, in the different stages of life and in both sexes. |
| G11 | Understand and recognize the effects of growth, development and aging on the individual and their social environment. |
| G36 | To be able to formulate hypotheses, collect and critically evaluate information for problem solving, following the scientific method. |
| G37 | To acquire the basic training for research activity. |

5. Objectives or Learning Outcomes

Course learning outcomes

Description
Learning to design and organize the work. Acquiring habits of perseverance in the study.
Acquisition of oral and/or written presentation and communication skills.
Handle basic laboratory material and techniques. Interpret a normal blood test. Recognize with macroscopic and microscopic methods and imaging techniques the morphology and structure of tissues, organs and systems. Perform functional tests, determine vital parameters and interpret them. Basic physical examination.

6. Units / Contents

Unit 1: Module 1: GERM LAYER AND TROPHOBLAST DERIVATIVES.

Unit 2: Module 2: SKULL.

Unit 3: Module 3: GENERALITIES OF THE NERVOUS SYSTEM.

Unit 4: Module 4: ORBIT AND EYE.

Unit 5: Module 5: ORAL, NASAL AND EAR REGION.

7. Activities, Units/Modules and Methodology

| Training Activity | Methodology | Related Competences (only degrees before RD 822/2021) | ECTS | Hours | As | Com | Description |
|---|----------------------------------|---|--------------------------------------|-------|----|-----|-------------|
| Class Attendance (practical) [ON-SITE] | Practical or hands-on activities | | 0.6 | 15 | Y | Y | |
| Class Attendance (theory) [ON-SITE] | Lectures | | 0.6 | 15 | Y | Y | |
| Final test [ON-SITE] | Assessment tests | | 0.12 | 3 | Y | Y | |
| Progress test [ON-SITE] | Assessment tests | | 0.08 | 2 | Y | Y | |
| Project or Topic Presentations [ON-SITE] | Guided or supervised work | | 0.6 | 15 | Y | Y | |
| Problem solving and/or case studies [ON-SITE] | Practical or hands-on activities | | 0.4 | 10 | Y | Y | |
| Writing of reports or projects [OFF-SITE] | Group Work | | 0.24 | 6 | Y | N | |
| Study and Exam Preparation [OFF-SITE] | Self-study | | 2.56 | 64 | Y | N | |
| Other off-site activity [OFF-SITE] | Self-study | | 0.8 | 20 | Y | N | |
| Total: | | | 6 | 150 | | | |
| Total credits of in-class work: 2.4 | | | Total class time hours: 60 | | | | |
| Total credits of out of class work: 3.6 | | | Total hours of out of class work: 90 | | | | |

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

| Evaluation System | Continuous assessment | Non-continuous evaluation* | Description |
|------------------------------------|-----------------------|----------------------------|-------------|
| Progress Tests | 50.00% | 0.00% | |
| Final test | 20.00% | 70.00% | |
| Progress Tests | 25.00% | 0.00% | |
| Final test | 0.00% | 25.00% | |
| Assessment of active participation | 5.00% | 5.00% | |
| Total: | 100.00% | 100.00% | |

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

Evaluation criteria for the final exam:

Continuous assessment:

A student enrolled for the first time in a subject is entitled to two calls during the academic year:

- Ordinary call: it comprises the continuous evaluation of all theoretical and practical activities reflected in the timetable attending to the conditions described in the teaching guide of the subject and the minimum attendance requirements to pass the subject.
- Extraordinary call: It includes the evaluation exclusively of the failed part of the subject in the ordinary call. It consists of a theoretical exam and/or a practical exam. The rest of the marks of the practical part will be those obtained during the course in reports, seminars, presentations, assignments, participation and attitude.

In case of failing the course the first time it is taken, for the following academic year there will be two of this three options:

- Ordinary call: within this call, two modalities can be chosen:

a. Attendance mode: It includes the continuous evaluation of all theoretical and practical activities reflected in the timetable, complying with the conditions described in the teaching guide of the subject, as if the subject was taken for the first time. Thus, the grades obtained in the previous year will not be taken into account.

b. Non-attendance mode: It includes the evaluation of only the failed part of the subject in the previous course through a theoretical exam and/or a practical exam per semester on the same date as the final exam of each semester. The marks for practical exams other than the practical exam will be kept from the previous course. This modality can only be chosen in the case of having taken the subject in the ordinary call in the previous academic year.

2. Extraordinary call: It includes the evaluation of only the failed part of the subject in the ordinary call either of the current academic year, if the student has chosen the ordinary on-site call, or of the previous academic year, in the rest of the cases. It will consist of a theoretical and/or a practical exam. The rest of the marks of the practical part will be those of the current or previous course. In the case of not having taken the ordinary on-site exam in the current or previous academic year, the grades of previous exams will not be taken into account, since only one course will be kept.

3. Special final exam: This includes the evaluation of only the failed part of the subject in the previous academic year. This call can only be requested in key subjects. It will consist of a theoretical exam and/or a practical exam. The rest of the marks of the practical part will be those of the previous course. In the case of not having taken the ordinary on-site exam in the current or previous course, the grades of previous exams will not be taken into account since only one course will be kept.

These conditions will only be maintained in the academic year consecutive to the ordinary on-site call of a subject. The grade of the practical or theoretical part passed will only be kept if the minimum attendance requirements to pass the subject described in the electronic guide have been met.

If the subject is not passed in the second academic year, the same biannual cycle criteria described for the first and second year of enrollment will be followed in the third and successive odd numbered years of enrollment.

ORDINARY CALL:

Theoretical evaluation:

70% distributed in:

- 50% module exams
- 20% final semester exams

To pass the course it will be necessary to obtain 40% of this 70%, which means, at least, 2.8 points in the theoretical part of the 10 total points of the course and to fulfill the requirements of the section "Evaluation criteria".

For the module exams (50% of the grade, i.e. 5 points) no minimum grade is established, so all grades obtained will be added together.

For the final exams (20% of the grade, i.e. 2 points) a minimum grade equal to 40% of the maximum grade to be achieved in each final exam is established. In order to favor the weight of the continuous evaluation in the final grade, not reaching the minimum grade established will not mean the impossibility to pass the course, but the points of that final exam will not be added to the rest of the points obtained.

Practical evaluation:

30% valued jointly as follows:

- Practical exams: 25%.
- Participation and attitude: 5%.

To pass the course it will be necessary to obtain 40% of the 30%, which represents at least 1.2 points in the practical part of the 10 total points of the course and to fulfill the requirements of the section "Evaluation Criteria" that appears in the electronic guide.

EXTRAORDINARY CALL, SPECIAL FINAL CALL, ORDINARY NON-ATTENDANCE CALL:

Theoretical evaluation: exam with a weight of 70%. To pass the course it will be necessary to obtain 40% of this 70%, which means at least 2.8 points in the theoretical part of the 10 total points of the course and meet the requirements of the section "Evaluation criteria". In case of having passed the theoretical part of the course in the current or previous year, the grade obtained in the last exam will be maintained.

Practical evaluation: to pass the course it will be necessary to obtain 40% of the 30%, which means at least 1.2 points in the practical part of the 10 total points of the course and to fulfill the requirements of the section "Evaluation criteria". In case of having passed the practical part in the current or previous course, the grade obtained in the last exam will be maintained.

Non-continuous evaluation:

See what is described in the previous point.

Specifications for the resit/retake exam:

See what is described in the previous point..

Specifications for the second resit / retake exam:

See what is described in the previous point.

| 9. Assignments, course calendar and important dates | |
|--|-----------------------------|
| Not related to the syllabus/contents | |
| Hours | hours |
| Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities] | 15 |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 15 |
| Final test [PRESENCIAL][Assessment tests] | 3 |
| Progress test [PRESENCIAL][Assessment tests] | 2 |
| Project or Topic Presentations [PRESENCIAL][Guided or supervised work] | 15 |
| Problem solving and/or case studies [PRESENCIAL][Practical or hands-on activities] | 10 |
| Writing of reports or projects [AUTÓNOMA]Group Work] | 6 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 64 |
| Other off-site activity [AUTÓNOMA][Self-study] | 20 |
| General comments about the planning: The planning of the specific activities of each subject will be indicated in advance on the Moodle platform and on the website of the Faculty of Medicine in the Teaching Planning section. www.ucim.es/cr/medicina/grado_planificación_docente.html Temporary planning may be modified in the event of unforeseen causes. | |
| Unit 1 (de 5): Module 1: GERM LAYER AND TROPHOBLAST DERIVATIVES. | |
| Group 20: | |
| Initial date: 05-02-2024 | End date: 23-02-2024 |
| Unit 2 (de 5): Module 2: SKULL. | |
| Group 20: | |
| Initial date: 26-02-2024 | End date: 15-03-2024 |
| Unit 3 (de 5): Module 3: GENERALITIES OF THE NERVOUS SYSTEM. | |
| Group 20: | |
| Initial date: 18-03-2024 | End date: 12-04-2024 |
| Unit 4 (de 5): Module 4: ORBIT AND EYE. | |
| Group 20: | |
| Initial date: 15-04-2024 | End date: 03-05-2024 |
| Unit 5 (de 5): Module 5: ORAL, NASAL AND EAR REGION. | |
| Group 20: | |
| Initial date: 06-05-2024 | End date: 24-05-2024 |
| Global activity | |
| Activities | hours |
| Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities] | 15 |
| Class Attendance (theory) [PRESENCIAL][Lectures] | 15 |
| Final test [PRESENCIAL][Assessment tests] | 3 |
| Progress test [PRESENCIAL][Assessment tests] | 2 |
| Project or Topic Presentations [PRESENCIAL][Guided or supervised work] | 15 |
| Problem solving and/or case studies [PRESENCIAL][Practical or hands-on activities] | 10 |
| Writing of reports or projects [AUTÓNOMA]Group Work] | 6 |
| Study and Exam Preparation [AUTÓNOMA][Self-study] | 64 |
| Other off-site activity [AUTÓNOMA][Self-study] | 20 |
| Total horas: 150 | |

| 10. Bibliography and Sources | | | | | | |
|---------------------------------|--|--|------|----------------------|------|-------------|
| Author(s) | Title/Link | Publishing house | City | ISBN | Year | Description |
| Langman, Jan | Embriología Médica | Wolters Kluwer Lippincott Williams and Wilkins | | 978-84-16353-48-4 | 2016 | |
| Fleckenstein, Peter | Bases anatómicas del diagnóstico por imagen | Elsevier Science | | 84-8174-575-8 | 2002 | |
| Moore, Keith L. | Anatomía con orientación clínica | Wolters Kluwer Lippincott Williams & Wilkins | | 978-84-17033-63-7 | 2017 | |
| Netter, Frank Henry (1906-1991) | Atlas de anatomía humana | Masson | | 84-458-1416-8 | 2019 | |
| Rohen, Johannes W. | Atlas de anatomía humana : estudio fotográfico del cuerpo hu | Elsevier | | 978-84-8086-743-6 | 2011 | |
| Schünke, Michael | Prometheus : texto y atlas de Anatomía | Médica Panamericana | | 978-84-9835-224-5 (v | 2015 | |
| Sobotta, Johannes | Atlas de anatomía humana | Médica Panamericana | | 84-7903-533-1 | 2012 | |
| Detton | Grant Manual de Disección | Wolter Kluwer | | | 2017 | |
| | Atlas de anatomía humana por técnicas de imagen | Elsevier | | 978-84-9022-982-8 | 2016 | |
| | Gray repaso de anatomía : preguntas y respuestas | Elsevier | | 978-0-323-27788-4 | 2016 | |
| Dauber, Wolfgang | Feneis : Nomenclatura anatómica ilustrada | Masson | | 978-84-9113-00 | 2014 | |