



1. General information

Course: HUMAN ANATOMY

Type: BASIC

Degree: 376 - UNDERGRADUATE DEGREE PROGRAMME IN PHARMACY

Center: 14 - FACULTY OF PHARMACY

Year: 1

Main language: Spanish

Use of additional
languages:

Web site:

Code: 14304

ECTS credits: 6

Academic year: 2022-23

Group(s): 10

Duration: First semester

Second language: English

English Friendly: Y

Bilingual: N

Lecturer: M^a DEL MAR ARROYO JIMENEZ - Group(s): 10				
Building/Office	Department	Phone number	Email	Office hours
Facultad de Farmacia. Área de Anatomía.	CIENCIAS MÉDICAS	8249	mariamar.arroyo@uclm.es	
Lecturer: JOSE CARLOS DELGADO GONZALEZ - Group(s): 10				
Building/Office	Department	Phone number	Email	Office hours
Facultad de Farmacia	CIENCIAS MÉDICAS	2964	Carlos.Delgado@uclm.es	
Lecturer: JUAN LUIS RUEDA MARTÍNEZ - Group(s): 10				
Building/Office	Department	Phone number	Email	Office hours
Facultad de Medicina AB	CIENCIAS MÉDICAS		JuanLuis.Rueda@uclm.es	
Lecturer: SILVIA TAPIA GONZÁLEZ - Group(s): 10				
Building/Office	Department	Phone number	Email	Office hours
Facultad de Medicina. área de anatomía	CIENCIAS MÉDICAS		silvia.tapia@uclm.es	

2. Pre-Requisites

Not established

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

Not established

4. Degree competences achieved in this course

Course competences

Code	Description
B01	Proficiency in a second foreign language at level B1 of the Common European Framework of Reference for Languages.
B02	Knowledge of Information and Communication Technologies (ICT).
B03	A correct oral and written communication
B04	Ethical commitment and professional deontology.
B05	Ability to develop those learning skills necessary to undertake further studies.
EM13	Know and understand the structure and function of the human body, as well as the general mechanisms of disease, molecular, structural and functional alterations, syndromic expression and therapeutic tools to restore health.
G01	Identify, design, obtain, analyze, control and produce drugs and medicines, as well as other products and raw materials of sanitary interest for human or veterinary use.
G02	Evaluate the therapeutic and toxic effects of substances with pharmacological activity.
G03	Know how to apply the scientific method and acquire skills in the handling of legislation, sources of information, bibliography, elaboration of protocols and other aspects considered necessary for the design and critical evaluation of preclinical and clinical trials.
G04	Design, prepare, supply and dispense medicines and other products of health interest.
G05	Provide therapeutic advice in pharmacotherapy and dietotherapy, as well as in the nutritional and food field in the establishments where they provide services.
G06	Promote the rational use of medicines and medical devices, as well as to acquire basic knowledge in clinical management, health economics and the efficient use of health resources.
G07	Identify, evaluate and assess problems related to drugs and medicines, as well as participate in pharmacovigilance activities.
G08	Conducting clinical and social pharmacy activities, following the pharmaceutical care cycle.
G09	Intervene in health promotion and disease prevention activities at the individual, family and community levels, with an integral and multi-professional vision of the health-disease process.
G10	Design, apply and evaluate clinical reagents, methods and analytical techniques, knowing the basic principles of clinical analysis and the characteristics and contents of laboratory diagnostic reports.
G11	Evaluate the toxicological effects of substances and design and apply appropriate tests and trials.
G12	Develop hygienic-sanitary analyses, especially those related to food and environment.
G13	Develop communication and information skills, both oral and written, to deal with patients and users of the centre where they carry out their professional activity. Promote the capacity to work and collaborate with multidisciplinary teams and those related to other health

	professionals.
G14	Know the ethical and deontological principles according to the legislative, regulatory and administrative provisions governing professional practice, understanding the ethical implications of health in a changing social context.
G15	Recognise own limitations and the need to maintain and update professional competence, with particular emphasis on self-learning of new knowledge based on scientific evidence.
T01	Critical thinking skills based on the application of the scientific method
T02	Ability to manage quality scientific information, bibliography, specialized databases and resources accessible through the Internet.
T03	Handling of basic and specific software for the treatment of information and experimental results.
T04	Motivation for quality, safety at work and awareness of environmental issues, with knowledge of the internationally recognised systems for the correct management of these aspects.
T05	Organizational, planning and implementation skills.
T06	Ability to address human resources decision-making and management.
T07	Ability to work as a team and, where appropriate, exercise leadership functions, encouraging entrepreneurship.
T08	Develop interpersonal skills and the ability to function in an international and multicultural context.

5. Objectives or Learning Outcomes

Course learning outcomes

Description

To know the relationships of the structures of the Nervous System

To know the anatomical terminology.

Knowledge of the formation in the early stages of the embryo.

To know the organs, apparatus and systems of the human body.

To know the structures of the Nervous System.

Knowing how to interpret, evaluate and communicate relevant data relating to the area of Human Anatomy in the different aspects of pharmaceutical activity, making use of information and communication technologies.

Knowing how to apply this knowledge to the various forms of professional practice.

Possess and understand the knowledge in the area of Human Anatomy.

6. Units / Contents

Unit 1:

Unit 2:

Unit 3:

Unit 3.1

Unit 3.2

Unit 3.3

Unit 3.4

Unit 3.5

Unit 4:

Unit 4.1

Unit 4.2

Unit 4.3

Unit 5:

Unit 5.1

Unit 5.2

Unit 5.3

Unit 6:

Unit 6.1

Unit 6.2

Unit 6.3

Unit 7:

Unit 7.1

Unit 7.2

Unit 8:

Unit 8.1

Unit 9:

7. Activities, Units/Modules and Methodology							
Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Combination of methods	B01 B02 B03 B04 B05 EM13 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14 G15 T01 T02 T03 T04 T05 T06 T07 T08	1.44	36	Y	N	
Class Attendance (practical) [ON-SITE]	Practical or hands-on activities	B01 B02 B03 B04 B05 EM13 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14 G15 T01 T02 T03 T04 T05	0.8	20	Y	Y	

Study and Exam Preparation [OFF-SITE]	Self-study	T06 T07 T08 B01 B02 B03 B04 B05 EM13 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14 G15 T01 T02 T03 T04 T05 T06 T07 T08	3.6	90	Y	N	
Mid-term test [ON-SITE]	Assessment tests	B01 B02 B03 B04 B05 EM13 G01 G02 G03 G04 G05 G06 G07 G08 G09 G10 G11 G12 G13 G14 G15 T01 T02 T03 T04 T05 T06 T07 T08	0.16	4	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
Test	70.00%	70.00%	
Laboratory sessions	20.00%	20.00%	
Assessment of active participation	10.00%	10.00%	
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).

9. Assignments, course calendar and important dates	
Not related to the syllabus/contents	
Hours	hours
Class Attendance (theory) [PRESENCIAL][Combination of methods]	36
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	20
Study and Exam Preparation [AUTÓNOMA][Self-study]	90
Mid-term test [PRESENCIAL][Assessment tests]	4
Global activity	
Activities	hours
Class Attendance (theory) [PRESENCIAL][Combination of methods]	36
Class Attendance (practical) [PRESENCIAL][Practical or hands-on activities]	20
Study and Exam Preparation [AUTÓNOMA][Self-study]	90
Mid-term test [PRESENCIAL][Assessment tests]	4
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Suarez Quintanillam JA y colaboradores	Anatomía para estudiantes de ciencias de la salud 2ª edición	Elsevier		978-84-9113-666-8	2021	
Drake, Richard L.	Gray: anatomía para estudiantes 4ª edición	Elsevier		978-84-8086-942-3	2020	
Feneis, Heinz	Nomenclatura anatómica ilustrada 11ª edición	Elsevier		978-84-458-1642-4	2021	
Gilroy, Anne M.	Atlas de anatomía : Prometheus 2ª edición	Panamericana		978-84-7903-600-3	2021	
Langman, Jan	Embriología Médica, 14ª edición	Wolters Kluwer Lippincott Williams and Wilkins		978-84-96921-46-7	2019	
Moore, Keith L.	Anatomía con orientación clínica 8ª edición	Wolters Kluwer Lippincott Williams & Wilkins		978-84-96921-47-4	2018	
Netter, Frank Henry (1906-1991)	Atlas de anatomía humana	Masson		978-84-458-2065-0	2011	
Paulser F	Sobotta. Atlas de Anatomía Humana	Elsevier España		9788480868747	2012	
Rohen, Johannes W.	Atlas de anatomía humana : estudio fotográfico del cuerpo hu	Elsevier		978-84-8174-996-0	2015	
Thibodeau	Estructura y función del cuerpo humano	Elsevier Mosby		9788480863551	2008	

EL RESTO DE BIBLIOGRAFÍA SE
INDICARÁ EN CADA TEMA A
TRAVÉS DE CAMPUS VIRTUAL

Webster S; de Wreede R

Embriología, lo esencial de un
vistazo

Panamericana

978-84-9835-719-6

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