

## COURSE DESCRIPTION

### COURSE DETAILS

Title (of the course): **PATOLOGÍA GENERAL**

Code: 101458

Degree/Master: **GRADO DE VETERINARIA**

Year: 2

Name of the module to which it belongs: FORMACIÓN BÁSICA COMÚN

Field: FISIOLOGÍA Y PATOLOGÍA GENERAL

Character: BASICA

Duration: SECOND TERM

ECTS Credits: 4.5

Classroom hours: 45

Face-to-face classroom percentage: 40.0%

Study hours: 68

Online platform:

### LECTURER INFORMATION

Name: MENOR CAMPOS, DAVID JOSE (Coordinator)

Department: MEDICINA Y CIRUGÍA ANIMAL

Area: MEDICINA Y CIRUGÍA ANIMAL

Office location: Department Animal Medicine and Surgery

E-Mail: david.menor@uco.es

Phone: 957218711

Name: GALÁN RODRIGUEZ, MARÍA DEL ALBA

Department: MEDICINA Y CIRUGÍA ANIMAL

Area: MEDICINA Y CIRUGÍA ANIMAL

Office location: Department Animal Medicine and Surgery

E-Mail: pv2garoa@uco.es

Phone: 957218711

Name: MUÑOZ JUZADO, ANA MARIA

Department: MEDICINA Y CIRUGÍA ANIMAL

Area: MEDICINA Y CIRUGÍA ANIMAL

Office location: Department Animal Medicine and Surgery

E-Mail: pv1mujua@uco.es

Phone: 957218711

Name: RAYA BERMÚDEZ, ANA ISABEL

Department: MEDICINA Y CIRUGÍA ANIMAL

Area: MEDICINA Y CIRUGÍA ANIMAL

Office location: Department Animal Medicine and Surgery

E-Mail: v82rabea@uco.es

Phone: 957218711

### PREREQUISITES AND RECOMMENDATIONS

#### Prerequisites established in the study plan

None

#### Recommendations

None specified

## COURSE DESCRIPTION

### INTENDED LEARNING OUTCOMES

CB4	To be capable of communication information, ideas, problems and solutions to an audience whether they're specialised or not.
CT2	team work
CT5	ethical compromise
CE26	Overview and pathogenesis of the general changes in terms of function and structure within cells, tissues, organs and systems
CE27	nosology

### OBJECTIVES

General pathology is a basic and fundamental subject for the study of special pathologies. The main objective is to ensure that the student acquires the vocabulary and knowledge that will enable him/her to understand what a disease looks like and what the pathophysiological mechanisms involved in a process are.

With this, the student will get the knowledge, skills and competences necessary to start in the diagnosis of the alterations of the different diagnosis of the alterations of the different organs and systems that make up an animal organism.

### CONTENT

#### 1. Theory contents

Nosology:

Nosology, nosonomy, nosotaxy, nosography

Physiopathology:

Physiopathology of thermoregulation. Fluid and electrolyte imbalance

Physiopathology of the respiratory system

Physiopathology of the cardiovascular system

Physiopathology of blood

Physiopathology of urinary system

Physiopathology of digestive system

Physiopathology of nutrition and metabolism

Physiopathology of endocrine system

Physiopathology of nervous system

Physiopathology of behavioural problems

#### 2. Practical contents

Interpretation of biochemical profiles

Clinical cases of hematology

Clinical cases of respiratory system

Clinical cases of cardiovascular system

Clinical cases of digestive system

Clinical cases of urinary system

Clinical cases of endocrine system

Clinical cases of nervous system

Clinical cases of metabolism



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### SUSTAINABLE DEVELOPMENT GOALS RELATED TO THE CONTENT

Good health and well-being

### METHODOLOGY

#### Methodological adaptations for part-time students and students with disabilities and special educational needs

The particular considerations of students in the part-time degree and special needs students will be considered

#### Face-to-face activities

Activity	Large group	Medium group	Small group	Total
Assessment activities	4	-	-	4
Case study	-	7	14	21
Lectures	20	-	-	20
<b>Total hours:</b>	<b>24</b>	<b>7</b>	<b>14</b>	<b>45</b>

#### Off-site activities

Activity	Total
Analysis	2.5
Exercises	10
Information search	3
Reference search	2.5
Self-study	50
<b>Total hours</b>	<b>68.0</b>

### WORK MATERIALS FOR STUDENTS

Case studies  
Dossier  
Lessons summary  
Oral presentations  
References

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### EVALUATION

Intended learning	Case study/clinical case discussion/scientific work discussion	Document Analysis	Exams	Problem solving
CB4		X		
CE26	X		X	X
CE27	X		X	X
CT2		X		
CT5	X			
<b>Total (100%)</b>	<b>15%</b>	<b>10%</b>	<b>60%</b>	<b>15%</b>
<b>Minimum grade</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>

(\*)Minimum mark (out of 10) needed for the assessment tool to be weighted in the course final mark. In any case, final mark must be 5,0 or higher to pass the course.

#### Attendance will be assessed?:

No

#### General clarifications on instruments for evaluation:

Repeaters must take again the practical cases, multiple choice exam, short answer tests and individual work to add those scores in the final mark

Specific clarifications on the partial evaluations:

- The minimum score to pass the midterm is 5.
- Blank questions, or questions with answers not related to the question, will not be admitted in the midterm exam.
- The midterm grades are valid for June and July of the same academic year.

#### Clarifications on the methodology for part-time students and students with disabilities and special educational needs:

Enrolled Students in the part-time degree, and special needs students will have particular considerations.

#### Clarifications on the evaluation of the extraordinary call and extra-ordinary call for completion studies:

First extraordinary call and extraordinary call will no have special considerations. Subject's content will be evaluated through a written exam, which will include multiple choice or short questions.

#### Qualifying criteria for obtaining honors:

Maximum scores in exams and all other activities will be mandatory

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### BIBLIOGRAPHY

#### 1. Basic Bibliography

CASTRO DEL POZO S DEL, PÉREZ ARELLANO JL (2006). Manual de patología general. Editorial: Masson  
 CARDA P, GÓMEZ-CARDENAS G (1990). Patología general veterinaria. I. Nosología. Editorial: Acribia  
 CARDA P, GÓMEZ-CARDENAS G, SANCHEZ GARNICA C (1976). Fisiopatología general y comparada de los animales domésticos. Editorial: Biblioteca de biología aplicada.  
 Diccionario terminológico de las Ciencias Médicas (1993). Editorial: Salvat.  
 LATIMER, K.S.; MAHAFFEY, E.A.; PRASSE, K.W.(2003). Duncan & Prasse 's Veterinary Laboratory Medicine. Clinical Pathology. Iowa, Iowa State Press.

#### 2. Further reading

BLOOD DC, RADOSTITS OM, GAY HC, HINCHCLIFF KW (2006). Veterinary medicine: a textbook of the diseases of the cattle, horse, sheep, pigs and goats. Editorial: McGraw-Hill Interamericana.  
 DUNLOP RH, MALBERT CH (2004). Veterinary pathophysiology. Editorial: Blackwell publishing  
 Ettinger SJ, Feldman EC (2008). Tratado de medicina interna veterinaria. Editorial: Elsevier  
 NELSON, R.W.; COUTO, C.G.: Small Animal Internal Medicine. St Louis, MO, Mosby Elsevier, 2009.Reed SM, Bayly WM,  
 SELTON DC (2017). Equine internal medicine. 4th edition. Editorial: Saunders  
 STOCKHAM S.L.; SCOTT, M.A.: Fundamentals of Veterinary Clinical Pathology. 2ª ed. Iowa, Blackwell Publishing, 2008  
 WEISS D.J.; WARDROP, K.J.: Schalm 's Veterinary Hematology. 6ª ed. Iowa, Wiley Blackwell, 2010.  
 WILLARD, M.D.; TVEDTEN, H.; TURNWALD, G.H.: Small Animal Clinical Diagnosis by laboratory methods. St Louis, Elsevier Health Sciences, 2003.

### COORDINATION CRITERIA

Common evaluation criteria

Joint activities: lectures, seminars, visits ...

Tasks deadlines

Tasks performance

### SCHEDULE

Period	Assessment activities	Case study	Lectures
1# Fortnight	0,0	3,0	2,0
2# Fortnight	0,0	3,0	4,0
3# Fortnight	0,0	3,0	2,0
4# Fortnight	2,0	3,0	3,0
5# Fortnight	0,0	3,0	3,0
6# Fortnight	0,0	3,0	2,0

**COURSE DESCRIPTION**

Period	Assessment activities	Case study	Lectures
7# Fortnight	0,0	1,5	2,0
8# Fortnight	2,0	1,5	2,0
<b>Total hours:</b>	<b>4,0</b>	<b>21,0</b>	<b>20,0</b>

The methodological strategies and the evaluation system contemplated in this Course Description will be adapted according to the needs presented by students with disabilities and special educational needs in the cases that are required.