
FACULTAT DE VETERINÀRIA DE BARCELONA



Evaluation Report for EAEVE revisit

March 2007

UNIVERSITAT AUTÒNOMA DE BARCELONA

The expert group from EAEVE-FVE visited the Veterinary Faculty of the Autonomous University of Barcelona in January 2005. Since this date there have been two important developments. First, the faculty signed an agreement with the University in which we accepted the commitment, agreed between the Catalan Government and the university authorities, to adapt our studies to the Bologna process. As a first step we have applied the European Credit Transfer System (ECTS) to the first, second and third years of our veterinary studies and will extend the measure to the remaining years in the near future. The three basic aims are:

- To reduce the number of presential classroom hours
- To increase the amount of practical and clinical training
- To achieve the ratio to meet the EAEVE requirements

Secondly, a new law has been proposed to the Spanish Parliament modifying the present University Law. The law will give more autonomy to each university in Spain to introduce important changes in the curricula. The new law will make it possible:

- To change the structure and the content of the veterinary studies allowing the restructuring of curriculum design.
- To lighten the load of classroom hours in veterinary studies.

In the following section of the document we will provide the information required and we will describe the most important changes introduced so far. All information included in this report is based on current data, and each section addresses the issues raised in your communication of 17 January. In addition, we thought it would be useful for you to see some photographs of the new facilities in the faculty, built in the last two years.

A) TEACHING STAFF

Teaching staff data are presented in Table 1. At present the total academic staff consist of 157 full-time members. From January 2005 to March 2007 the number of teaching staff has increased by 15 members. Table 2 summarizes the teaching staff included in each department, without distinguishing between full-time and part time staff.

Table 1.- Total teaching staff

<i>Teaching staff</i>	Budgeted posts (FTE)	Non-budgeted posts (FTE)	Total (FTE)
a) Teaching staff	154	-	154
b) Research staff	3	-	3
c) Others (please specify)	-	-	-
Total academic staff	157	-	157

Table 2.- Academic staff included in each department

<i>Department</i>	ACADEMIC STAFF (Total number)				
	<i>CU</i>	<i>TU</i>	<i>Assistant</i>	<i>Associate</i>	<i>Research</i>
Animal and Plant Biology	1	2	1	0	2
Physiology, Cell Biology and Immunology	1	5	4	3	0
Biochemistry and Molecular Biology	2	2	3	1	1
Animal and Food Science	7	25	4	9	2
Economics	0	0	0	1	0
Pharmacology and Toxicology	1	4	2	5	0
Mathematics	0	1	1	6	0
Animal Medicine and Surgery	4	20	4	15	1

Legal Medicine	0	0	0	2	0
Chemistry	1	1	1	1	0
Physics	0	1	0	2	0
Animal Health and Anatomy	3	19	8	6	0

CU (Catedrático de Universidad): Full professor, civil servant, full time. **TU** (Profesor Titular de Universidad): Associate professor, civil servant, full time. **Assistant teacher**: hired position, full time. **Associate teacher**: hired position, part time (several types). **Research staff** (Ramon y Cajal, Juan de la Cierva): new hired positions financed by the Spanish government for highly specialized scientific staff. “Ramon y Cajal” and “Juan de la Cierva” fellows may participate in undergraduate teaching.

B) STUDENTS

The total number of registered students present in academic year 2006-2007 is 922, with a student intake of 143. This total figure represents a 3.8% decrease in relation to the same information presented in January 2005. The number of students who received their diploma during the last year was 126.

C) SUPPORT STAFF

The support staff is presented in Table 3. The present figure represents an increase of 17.5% with respect to the support staff in January 2005.

Table 3.- Total support staff

Support staff	Budgeted posts (FTE)	Non-budgeted posts (FTE)	Total (FTE)
a) responsible for the care and treatment of animals (HCV, Farms)	18	0	18

b) responsible for the preparation of practical and clinical teaching.	21	0	21
c) responsible for administration, general services, maintenance, etc.	42	3	45
d) engaged in research work	5	61	66
e) others (Library, SIMU)	11	0	11
Total support staff	97	64	161

HCV: Veterinary Teaching Hospital; SIMU: Multimedia and Computer Service

D) THEORETICAL TRAINING

The introduction of the European Credit Transfer System (ECTS) to the first three years of the veterinary studies has involved the reduction of the number of presential classroom hours. Total academic activity has decreased from 3565 hours in January 2005 to 3292 hours in March 2007. The main reduction has been in the lecture hours, which have fallen from 1916 in January 2005 to 1599 at present (317 hours less).

E) PRACTICAL AND CLINICAL TRAINING

Table 4 summarizes the total academic activity at present and Figure 1 shows the changes in each practical activity from 2005 until now, without considering elective activity.

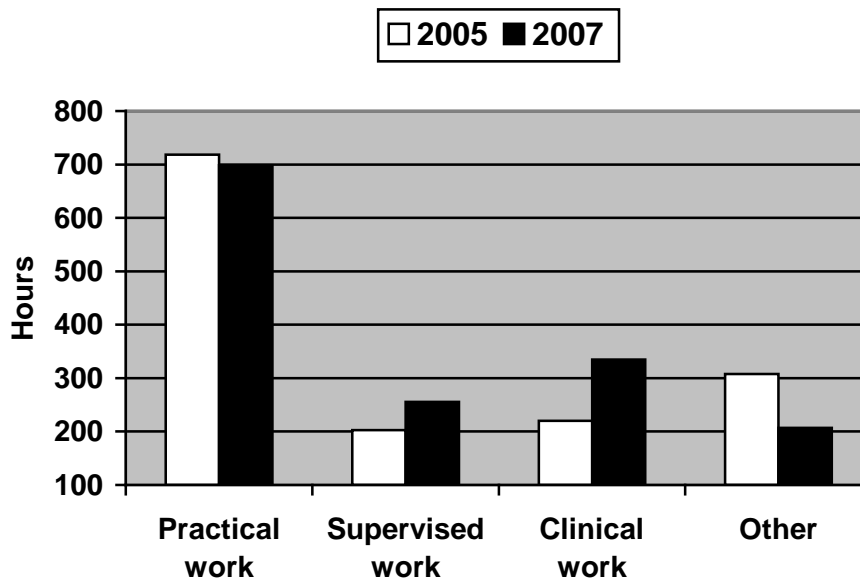
Table 4.- Academic activity in hours.

Year	Lectures	Practical work	Supervised work	Clinical work	Other	Practical training	Total activity
1°	370	193	60	6	41	300	670
2°	369	213.3	96.7	8	30	348	717
3°	336	132	33	83	50	298	634
4°	256	96.5	34	119.5	28	278	534
5°	268	64	32	118 + 200*	55	269 + 200*	737

*Extramural academic activity

Figure 1 clearly shows that clinical training and supervised work have increased while practical work and other practical activity, particularly seminars, have decreased.

Figure 1.- Changes in practical activity from 2005 to 2007



The distribution of the teaching activity by year is shown in Tables 5, 6, 7, 8, and 9

Table 5.- Course year 1.

Subject	Lectures	Practical work	Supervised work	Clinical work	Other*
Anatomy I	38	60			
Cell Biology	38	15			
Mathematics	39	14	3		13
Physics	39	8	15		7
Chemistry	37	15	9		6
Animal and vegetal biology	31	18	10		2
Ethnology	28		7	6	2
Ethology	30		10		5

Biochemistry I	40	9			6
Anatomy II	50	54	6		
Total	370	193	60	6	41

Table 6.- Course year 2.

Subject	Lectures	Practical work	Supervised work	Clinical work	Other*
Biochemistry II	22	14	7		9
Physiology I	42	10	5	8	7
Microbiology I	24	27.5	1.5		1
Histology	32	37			1
Agriculture	40	24	4		
Epidemiology	23	9.3	20.7		
Parasitology	26	30			
Genetics	36	20	23		2
Physiology II	41	6	14		10
Microbiology II	33	16	11		
Agrarian economy	26	7	8		
Immunology	24	12.5	2,5		
Total	369	213.3	96.7	8	30

Table 7.- Course year 3.

Subject	Lectures	Practical work	Supervised work	Clinical work	Other*
Pharmacology I	22	14	6	6	4
Animal Production I	35			8	2
Nutrition I	17	16		5	4
Physiopathology	23	3		10	2
Animal breeding	38	4	14	5	2
General Pathology	23	22			1
Pharmacology II	36	10			2
Animal Production II	23	12	2	9	
Nutrition II	29	14			3
Propedeutics (examination)	22	2		30	12
Reproduction	28	9	2	10	9
Food technology	40	26	9		9
Total	336	132	33	83	50

Table 8.- Course year 4.

Subject	Lectures	Practical work	Supervised work	Clinical work	Other*
General Surgery	40	4	4	35	10
Parasitic diseases	40	22.5	15	7.5	
Infectious diseases I	40	15			

Radiology	15	10		5	
Clinical Surgery	27		1	44	
Special pathology	40	25	12		8
Infectious diseases II	27	20		10	
Clinical Medicine I	27		2	18	10
Total	256	96.5	34	119.5	28

Table 9.- Course year 5.

Subject	Lectures	Practical work	Supervised work	Clinical work	Other*
Clinical Medicine II	27			104	
Hygiene I	40	8	7		
Obstetrics and Theriogenology	40	4	17	14	10
Ethics and legislation	27				15
Therapeutic	40				15
Hygiene II	27	24	6		
Toxicology	40	20			10
Preventive Medicine	27	8	2		5
Extramural professional practice				200	
Total	268	64	32	118 +*200	55

Taking into account these new figures we have recalculated the same ratios that were presented in January 2005, resulting in the following core subjects ratios:

- **Theoretical training/Practical and clinical training**

$$\frac{\text{Theoretical training}}{\text{Practical and clinical training}} = \frac{1599}{1693} = 1/1.1$$

- **Theoretical and practical non clinical training**

$$\frac{\text{Clinical training}}{\text{Theoretical and practical non clinical training}} = \frac{334.5}{2757.5} = 1/8.2$$

Extramural academic activity (200 h.) has been considered as practical activity but not as clinical training, as recommended by EAEVE.

F) LIVESTOCK

a) On the Faculty farm the following animals are permanently available:

- Cows (4)
- Steers (4)
- Sheep (220 of which 130 are dairy sheep and 90 meat sheep)
- Goats (45)
- Donkeys (15)
- Mares (2)

Usually, the following are also available:

- Pigs (120)

- Poultry (432)

However, since no sows or hens are raised, availability of those pigs and poultry depends on the purchase of such animals.

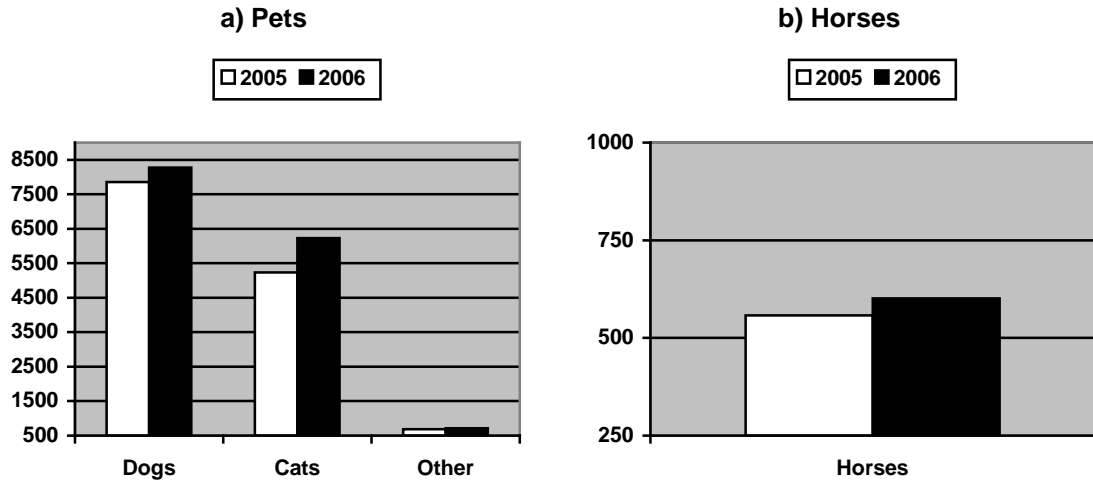
b) The Faculty has access by contract to two external farms where all students do practical work with dairy cows (SEMEGA-IRTA, Monells) and pigs (“Sus scrofa”, La Garriga). The first farm has 80 milking cows and 40 heifers and the second 220 sows and 800 piglets of different ages

G) PETS

Table 10 shows the number of pets and horses treated by the institution’s clinics in 2006 and Figure 2 (a: Pets; b: Equines) the changes with respect to 2005. The number of patients have increased in all cases.

Table 10.- Number of pets and horses treated by clinics

	Received for consultation	Patients hospitalised
Pets		
<i>Dogs</i>	8272	1885
<i>Cats</i>	6227	956
<i>Other pets</i>	713	162
Horses		
<i>Horses</i>	601	601



H) POST-MORTEM EXAMINATIONS

Table 11 reflects the number of necropsies made by species, the total figure being 770. This figure represents a 8,5% increase in relation to the same information presented in 2005 .

Table 11.- Number of necropsies by species

Species	Number
Farm/large animals	
<i>Cattle</i>	1
<i>Equines</i>	64
<i>Small ruminants</i>	15
<i>Pigs</i>	184
<i>Rabbits/poultry</i>	61
Small/pets	
<i>Dogs</i>	268
<i>Cats</i>	92
<i>Other pets</i>	85

H) POST-MORTEM EXAMINATIONS

Students do mobile clinic activities in course years 3, 4 and 5 with external veterinary teams in bovine, porcine, poultry and rabbits. In 3rd year students spend some 25 hours doing mobil clinic activities in two farms (bovine and swine). In 4th-5th year they spend one week in bovine mobile clinic and 2 days in swine and poultry. Tansport to these mobil clinic activities is upon the students. Moreover, in the hospital the behavioural disorders have mobile clinic activities, which is done by request.

NEW FACILITIES

OFFICES FOR ACADEMIC and ECONOMIC MANAGEMENT
Surface: 166 m² (23 m² more) Cost: 93.417 €



NECROPSY BUILDING

Surface : 381 m² (153 m² more)

Cost: 1.140.774 €



KENNELS

Surface : 643 m² (531 m² more)

Cost: 436.400 €



VETERINARY TEACHING HOSPITAL
Surface 5.358 m² (3617 m² more) TOTAL Cost: 6.000.000 €

