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Following the model developed by:

\*UNESCO - CEPES  
\*COUNCIL OF EUROPE  
\*EUROPEAN COMMISSION

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES.

The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition.

Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

Extra long life paper.  
Printed with high technology against counterfeiting and/or tampering.



1. Information identifying the holder of the qualification

1.1. Family name(s)

1.2. Given name(s)

1.3. Date of birth (day/month/year)

1.4. Student Identification Number

Identity card Number:

2. Information identifying the qualification

2.1. Name of qualification and (if applicable) title conferred

Licenciatura em Ciência e Tecnologia Animal

The award confers the degree of licenciado.

2.2. Main field(s) of study for the qualification

Applied animal sciences.

Systems and techniques for animal production and uses. Science, technology and industry of animal originated products.

2.3. Name and status of awarding institution

Universidade de Évora, public university, supervised by Ministério da Educação e Ciência.

2.4. Name and type of institution (if different from 2.3) administering studies

Not applicable.

2.5. Language(s) of instruction/examination

Portuguese.

### 3. Information on the level of the qualification

#### 3.1. Level of qualification

University Education, Licenciatura (1st Cycle), corresponding to EQF level 6 and to level 5 (ISCED) (see Section 8).

#### 3.2. Official length of programme

3 year(s) - 180 ECTS credits (1 ECTS is equivalent to 26 hours of student's workload).

#### 3.3. Access requirement(s)

*General regime to accede to higher education*

National and foreign students wishing to apply through the general regime to the first cycle of studies, must fulfil the following conditions:

- Have successfully completed a secondary course or a national or foreign qualification legally equivalent;
- Have set for the entrance examinations required for the degree programme the student wishes to attend and get the minimal mark required (there are higher education institutions that accept foreign tests or exams);
- Have fulfilled the prerequisites for the higher education course the student wishes to attend, if required.

#### *Special conditions*

Besides the regime geral (general regime), there are special conditions for top level athletes, Portuguese citizens on an official mission abroad, national or foreign staff in diplomatic mission, permanent staff of the Portuguese Armed Forces and scholarship holders within the framework of cooperation agreements signed by Portugal.

#### *Special Competitions*

Besides the general regime and the special conditions there are also special competitions for applicants with certain specific qualifications thus allowing new public to accede to higher education in a perspective of lifelong learning, namely:

- applicants over 23 years old who have passed a special exam for assessing their capacity to accede to higher education;
- holders of a specialization technological course (non higher education post-secondary course).

Admission to higher education institutions is subject to *numerus clausus*.

### 4. Information on the contents and results gained

#### 4.1. Mode of study

Full-time

#### 4.2. Programme requirements, objectives and output

For obtaining the Licenciado degree in **Ciência e Tecnologia Animal**, the student should obtain approval at a minimum of 138 ECTS, including Project or Post-Graduation Internship (Semester frequency) plus 42 ECTS on optional units. The workload of an academic year of study amounts to 1560 hours, and has a duration of 19 weeks. The contact hours of teaching period is 15 weeks.

To provide initial higher education in the field of applied animal science to the processes of production, use, maintenance and exploitation of animals and their populations (mammals, birds, fish and insects).

To offer training that encompasses the various levels of biological organization (molecular, cellular, organisms, populations and their ecosystems).

To supplement the process of academic learning through training and practicing in several placements in companies and research institutions, accordingly to students' interests as future professionals.

#### 4.3. Programme details

The Transcript of Records is enclosed (see Annex I).



#### 4.4. Grading scheme

##### National Grade Scheme

Final classification is obtained by a weight average from all the grades obtained for each unit, the weights are established in accordance to the number of ECTS, and it is expressed in the entire numerical scale of 0 to 20, which is associated to following qualitative mention:

10-13	Suficiente (Adequate)
14-15	Bom (Good)
16-17	Muito Bom (Very good)
18-20	Excelente (Excellent)

##### ECTS Classification Scheme

The European scale of comparabilities of ECTS classifications is based on all final marks of all course grades from the three previous academic years of the obtaining of the diploma (Annex 2 of the ECTS Users Guide available in [http://ec.europa.eu/education/lifelong-learning-policy/doc/ects\\_guide\\_en.pdf](http://ec.europa.eu/education/lifelong-learning-policy/doc/ects_guide_en.pdf)).

ECTS classification	Classification
A	17-20
B	15-16
C	13-14
D	11-12
E	10

#### 4.5. Overall classification of the qualification

Licenciatura (1st Cycle) completed on the July 7, 2012, with a final grade of 13 (thirteen) - Suficiente and the ECTS classification C.

#### 5. Information on the function of the qualification

##### 5.1. Access to further study

This qualification gives access to an Academic and/or Professional higher level education (2nd or 3rd cycle, as described under section 8).

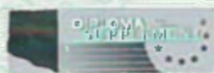
##### 5.2. Professional status

Not applicable

#### 6. Additional information

##### 6.1. Additional information

- The student's competence in the English language (listening, reading, vocabulary, grammar) was assessed and identified as level B2. Descriptor of level B2: Can understand the main ideas of complex text on both concrete and abstract topics, including technical discussions in his/her field of specialization. Can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party. Can produce clear, detailed text on a wide range of subjects and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.
- Extracurricular internships carried out throughout the course: BADOCA SAFARI PARK: Perception of the operation of an Animal Park. Collaboration in diets preparation for different species and animal feeding. Cleaning and maintenance of cages and fences. Observation of animal behavior and records (3,0 ECTS).
- Extracurricular internships carried out throughout the course: AQUÁRIO VASCO DA GAMA: Maintenance of the aquarium filter systems. Diets preparation. Physicochemical analyzes of water. Maintenance and installation of aquariums (3,0 ECTS).





## 6.2. Further information sources

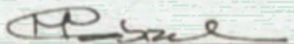
- <http://www.uevora.pt>
- <http://www.estudar.uevora.pt>
- <http://www.dges.mctes.pt/dges/pt/reconhecimento/naric/enic>
- <http://ec.europa.eu/education/lifelong-learning-policy/ds.en.htm>
- Dec.-Lei n.º 42/2005 de 22 de Fevereiro, Port. n.º 30/2008 de 10 de Janeiro


## 7. Certification of the supplement

### 7.1. Date

September 25, 2013

### 7.2. Signature

  
Margarida Maria S. M. de Sousa Cabral

  
Carlos Alberto dos Santos Bragança

### 7.3. Capacity

Academic Services Officer of Universidade de Évora

Rector of Universidade de Évora

### 7.4. Official stamp

This document is officially stamped.



## 8. Information on the Portuguese Higher Education System

The Framework Law on the Education System (Law nr. 46/86, dated 14 October 1986, further amended by Laws nr 115/97, dated 19 September and nr. 49/2005, dated 30 August) establishes the general legal framework of the Education System.

According to this Law, the educational system comprises three levels: basic, secondary and higher education.

Pre-school education is optional and is for children between the ages of three and the age of entering basic education.

Basic Education is universal, compulsory and free and comprises three cycles, the first cycle lasts for four years, the second lasts for two years and the third lasts for three years.

Secondary education is compulsory and it comprises a three year cycle (corresponding to 10th, 11th and 12th year of schooling).

### Higher Education Structure

The first steps towards the legal reform of the system of higher education were made in 2005, with the introduction of the new credit system (ECTS) for the cycles of study, mobility mechanisms, diploma supplement, amongst others. Changes were also made to the Basic Law for the Education System in order to implement the Bologna Process.

The new structure divided into three cycles of studies was created in 2006 and it was completely implemented in Portugal in 2009/2010. Generic qualification descriptors were also defined for each of the cycles of studies, based on acquired competences, as well as the structure for the first and second cycles of study in terms of typical ECTS intervals.

Portuguese higher education includes university and polytechnic education. University education is offered by public and private university institutions while polytechnic education is offered by public and private non-university institutions. Public higher education institutions must be subject to the previous recognition of the Ministry of Education and Science. The higher education system comprises also a concordatory institution.

### Licenciado degree

Both university and polytechnic institutions confer the degree of licenciado (bachelor). In polytechnic education, the cycle of studies that leads to the degree of licenciado has 180 credits and a normal length of six curricular semesters of students work. In certain cases, namely those covered by internal legislation or by European legislation, the cycle of studies can have up to 240 credits with a normal length of up to seven or eight curricular semesters of students work.

In university education, the cycle of studies that leads to the degree of licenciado has from 180 to 240 credits and a normal length between six to eight curricular semesters of students work.

In the first cycle of studies the degree of licenciado is conferred, by universities or polytechnic institutions, to those that, after concluding all the curricular units that integrate the study programme of the licenciatura course, have obtained the established number of credits.

### Mestre degree

Both university and polytechnic institutions confer the degree of mestre (master). The cycle of studies that leads to the degree of mestre has from 90 to 120 credits and a normal length of between three to four curricular semesters of students work or in exceptional circumstances, 60 credits and a duration of two semesters, resulting from a stable and consolidated practice in that specific field at international level.

In polytechnic education, the cycle of studies that leads to the mestre degree must ensure predominantly that the student acquires a professional specialization. In university education, the cycle of studies that leads to the mestre degree must ensure that the student acquires an academic specialization resorting to research, innovation or expansion of professional competences. In university education, the mestre degree may also be conferred after an integrated cycle

of studies, with 300 to 360 credits and a normal length of 10 to 12 curricular semesters of students work, in cases for which the access to the practice of a certain professional activity depends on that length of time established by legal EU standards or resulting from a stable practice consolidated in the European Union. In this cycle of studies the degree of licenciado is conferred to those who have obtained 180 credits corresponding to the first six semesters of work.

The degree of mestre is conferred to those that, after concluding all the curricular units that integrate the study programme of the mestrado course, have obtained the established number of credits, as well as successfully defended in public their dissertation, their project work or their traineeship report.

### Doutor degree

The Doutor (doctor) degree is conferred by universities and university institutes. The degree of Doutor is conferred to those that, after concluding all the curricular units that integrate the study programme of the Doutoramento (doctorate) course, when applicable, and have successfully defended their thesis in the public act.

### Access conditions

#### General regime to accede to higher education

National and foreign students wishing to apply through the general regime to the first cycle of studies must fulfil the following conditions:

- Have successfully completed a secondary course or a national or foreign qualification legally equivalent;
- Have set for the entrance examinations required for the degree programme the student wishes to attend and get the minimal mark required (there are higher education institutions that accept foreign tests or exams);
- Have fulfilled the prerequisites for the higher education course the student wishes to attend, if required.

#### Special conditions

Besides the regime geral (general regime), there are special conditions for top level athletes, Portuguese citizens on an official mission abroad, national or foreign staff in diplomatic mission, permanent staff of the Portuguese Armed Forces and scholarship holders within the framework of cooperation agreements signed by Portugal.

#### Special Competitions

Besides the general regime and the special conditions there are also special competitions for applicants with certain specific qualifications thus allowing new publics to accede to higher education in a perspective of lifelong learning, namely:

- applicants over 23 years old who have passed a special exam for assessing their capacity to accede to higher education;
- holders of a specialization technological course (non higher education post-secondary course).

Admission to higher education institutions is subject to *numerus clausus*.

### Admission to the second cycle of studies

Those who meet the following conditions may apply to the cycle of studies that leads to the mestre degree:

- Holders of the licenciado degree or legal equivalent;
- Holders of a foreign academic degree fully recognised as satisfying the objectives identical to the licenciado degree by the competent scientific body of the higher education institution where one wishes to be admitted;
- Holders of an academic, scientific or professional curriculum vitae that is recognized as attesting the capacity to carry out this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted.





#### Admission to the third cycle of studies

Those who meet the following conditions may apply to the cycle of studies that leads to the *doutor* (doctor) degree:

- Holders of the *mestre* (master) degree or legal equivalent;
- Holders of a *licenciado* degree who have a particularly relevant academic or scientific *curriculum vitae* that is recognized as attesting the capacity to carry out this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted;
- Holders of an academic, scientific or professional *curriculum vitae* that is recognized as attesting the capacity to carry out

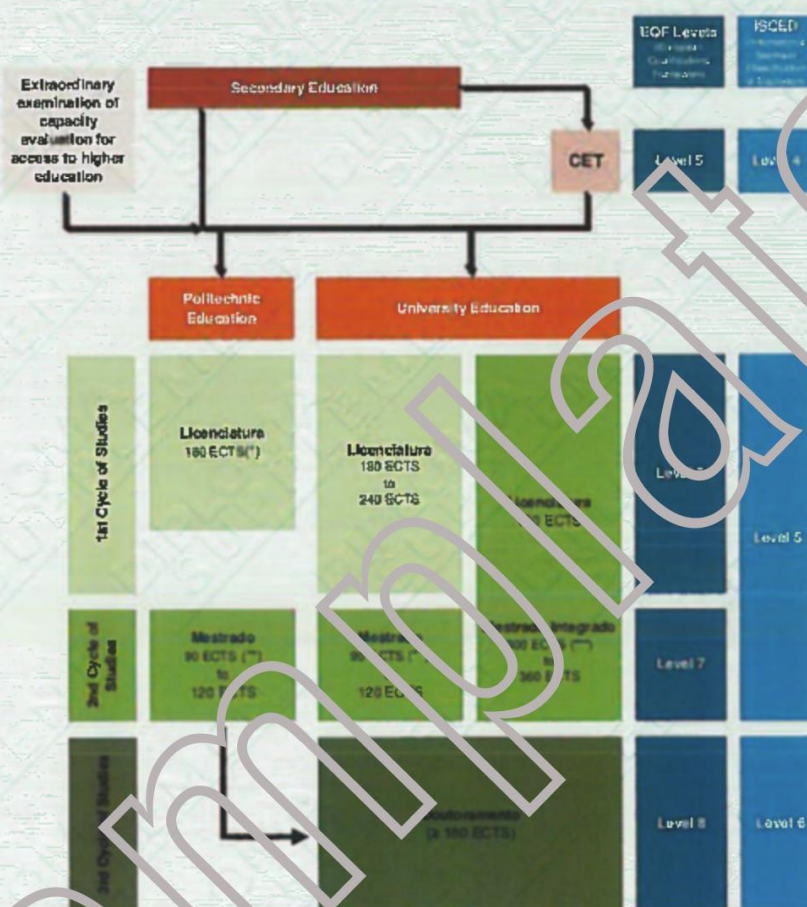
this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted.

#### Classification System

The degrees of *licenciado* and *mestre* shall have a final classification between 10 and 20 on a numerical scale of 0 to 20, as well as its equivalent in the European scale of comparability of classifications.

The academic degree of *doutor* is assigned a final classification pursuant to the regulating standards approved by the university that confers it.

**Diagram of the Portuguese Higher Education System according to Bologna**



(\*) Except when in order to exercise certain professional activity requiring education and training rating between 210 and 240 ECTS.

(\*\*) In exceptional circumstances, and subject to the fulfillment of every requirement relating to the definition of the objectives of the degree and the conditions for acquiring the latter, a cycle of studies leading to a *Mestre* degree in a specialized field may be amount 60 credits resulting from a stable and consolidated practice in that specific field at international level.

(\*\*\*) A *Mestre* degree may also be granted following an integrated cycle of studies of which the duration, for the purposes of obtaining access to a professional activity, a) is established by European Union regulations, and b) results from a regular and consolidated practice within the European Union; in such cases, a *Licenciado* degree is granted to students having obtained 180 ECTS (3 years, 6 semesters).



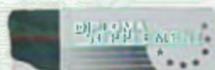
## Annex I

### Modules or Course Units obtained

Academic year	Subject	Frequency	LH	Credits	CI	ECTS	CI	Obs.
2009/2010	Complementary Activities II	S	26	1 ECTS	16	B	-	-
2009/2010	Cell Biology	S	45	6 ECTS	14	C	-	-
2009/2010	General Biochemistry	S	58	6 ECTS	14	C	-	-
2009/2010	Statistics	S	67.5	6 ECTS	10	E	-	-
2009/2010	Exognosis	S	60	5 ECTS	10	D	-	-
2009/2010	Introduction to Agriculture and Animal Production Systems	S	53	6 ECTS	10	D	-	-
2009/2010	Mathematics	S	75	7 ECTS	13	C	-	-
2009/2010	Microbiology	S	60	6 ECTS	12	D	-	-
2009/2010	Basic Notions of Agriculture	S	45	6 ECTS	12	D	-	-
2009/2010	Principles of Engineering Applied to Animal Science	S	55	6 ECTS	10	D	-	-
2009/2010	General Organic Chemistry	S	46	5 ECTS	11	D	-	-
2009/2010	Topics in Numeric Tools	S	22	2 ECTS	16	B	-	-
2010/2011	Food and Food Technologies for Animals	S	58	6 ECTS	13	C	-	-
2010/2011	Animal Anatomy and Physiology I	S	52	6 ECTS	12	D	-	-
2010/2011	Animal Anatomy and Physiology II	S	52	6 ECTS	11	D	-	-
2010/2011	Animal Behaviour and Welfare	S	45	6 ECTS	16	B	-	-
2010/2011	Animal Genetics and Breeding Techniques	S	45	6 ECTS	14	C	-	-
2010/2011	Notions of Animal Health	S	45	6 ECTS	14	C	-	-
2010/2011	Animal Nutrition	S	59	6 ECTS	12	D	-	-
2010/2011	Agricultural and Animal Production Organization	S	43	6 ECTS	12	D	-	-
2010/2011	Animal Reproduction: Physiology and Control	S	56	6 ECTS	10	E	-	-
2010/2011	Information and Automation Systems in Animal Science	S	35	6 ECTS	12	D	-	-
2011/2012	Science and Technology of Milk and Dairy Products	S	47	6 ECTS	17	A	-	-
2011/2012	Internship in Professional Context	S	222	10 ECTS	17	A	-	-
2011/2012	Farm Buildings and Equipments	S	50	6 ECTS	12	D	-	-
2011/2012	Technological Processes and Food Quality	S	56	6 ECTS	11	D	-	-
2011/2012	Animal Production in Tropical and Subtropical Regions	S	45	6 ECTS	14	C	-	-
2011/2012	Project	S	38	8 ECTS	14	C	-	-
2011/2012	Non-ruminant Production Systems and Techniques	S	56	6 ECTS	12	D	-	-
2011/2012	Alternative Animal Production Systems and Techniques	S	43	6 ECTS	13	C	-	-
2011/2012	Ruminant Production Systems and Techniques	S	56	6 ECTS	13	C	-	-

Frequency:

S Semester





**Lecture hours (contact) for semester (LH):**

Semester contact hours are calculated as the total week hours multiplied by the number of contact weeks (an unit with an annual frequency **A** corresponds to 30 weeks whilst **S** includes 15 weeks and **T** 8 weeks).

**Credits:**

**ECTS** ECTS Credit System  
1 year = 60 ECTS  
1 semester = 30 ECTS

**Classification (Cl.):**

National Grade Scheme - minimum final mark of 10, in a 0 to 20 grading scheme is necessary to be approved at each semester unit.

**ECTS classification (Cl. ECTS):**

Conversion follows the ECTS grading scale set out in paragraph 4.4.