

EUROPASS DIPLOMA SUPPLEMENT

TITLE OF THE DIPLOMA (ES)

Técnico Superior en Ganadería y Asistencia en Sanidad Animal

TRANSLATED TITLE OF THE DIPLOMA (EN)⁽¹⁾

Higher Technician in Livestock and Animal Healthcare

(1) This translation has no legal status

DIPLOMA DESCRIPTION

The holder of this diploma will have acquired the General Competence with regard to:

Managing the livestock production and carrying out supporting specialised services of support for veterinary equipment, programming and organizing the available material and human resources, and applying the production, quality, healthcare and animal welfare, labour risk-prevention and environmental protection, according to the applicable legislation.

Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below:

“Organization and Control Reproduction and Rearing”

The holder:

- Monitors the reproduction management and their adaptation to the exploitation, analyzing the procedures and the protocols for action.
- Organizes and controls teaser operations and estrus detection, relating the techniques, the means and the methods to the features of the species and the reproduction plan.
- Develops and applies the tupping plan, analyzing the productive purpose of the exploitation.
- Organizes and controls the condition and the management of the gestation period and birth, characterizing the protocols for action.
- Supervises the operations of females’ management and breeding animals during the lactation period of calves, assessing the methods and the techniques and the action protocols.
- Manages the eating programme of breeding animals, relating the species to their needs and the production requirements.
- Monitors and organizes the milk production, analyzing the features of the species, the techniques and the action protocols.

“Management of Animal Production”

The holder:

- Organizes and supervises management operations of animals for rearing and fattening, analyzing their features and performance protocols.
- Under the supervision of a veterinarian controls the implementation of the health programme of rearing and fattening animals, identifying illnesses.
- Controls fattening and rearing animals’ feeding programmes, analyzing the nutritional requirements for the reproduction.
- Organizes and supervises bird’s management operations, characterising poultry productive processes.
- Controls and supervises collection and egg handling operations, relating the techniques to the product’s final destination.
- Organizes and supervises the operations for meat production and other organic livestock productions, interpreting the regulations and the protocols established.

“Management of Horse Rearing”

The holder:

- Plans and supervises the weaning-phase, interpreting the protocols and the productive plan of the exploitation.
- Controls the manipulation and the conditions of the mares during the days following the weaning, analysing the animals’ conditions and the protocols for action.
- Supervises the technical means during the horse’s rearing phase, describing the stages and the zootechnical conditions.
- Controls the horses’ taming process, relating the techniques and means to the individual characteristics of each animal and their destination during their adult age.
- Supervises the horse’s adaptation to the rearing phase, analysing the means and techniques.

“Organisation and Supervision of Equines’ Management and Taming”

The holder:

- Plans and supervises the taming operations, analyzing the protocols for action.

- Programmes and supervises rope taming work, relating the techniques and the materials to each one of the work phases.
- Supervises the initial horse riding, interpreting the techniques and the taming methods.
- Organises and supervises the presentation of equine cattle in competitions and exhibitions, relating the techniques to the conditions.
- Controls the management of horses for recreational, work and sport purposes, analyzing the techniques.

“Livestock Machinery and Installations”

The holder:

- Controls and verifies the installations and their maintenance, analysing their features and interpreting manuals and use schemes.
- Programmes and supervises the maintenance duties of machines and equipment, interpreting their technical specifications.
- Manages the workshop of a cattle farm, analyzing the available means and the operations to carry out.
- Produces reports for the acquisition and substitution of machinery, equipment and livestock tools, analysing technical and economic criteria as well as the exploitation’s production plan.
- Applies measures of risk prevention, personal security and environmental protection, assessing the job’s conditions and the risk factors.

“Breeder Sanitation”

The holder:

- Manages the work programme for health programmes, interpreting the protocols established.
- Collaborates in the development of preventive sanitary programmes in livestock exploitations, describing the implementation process.
- Collects biological, environmental and of compound feed and provides fast analyses, describing the materials and the techniques used.
- Processes and collects data from livestock exploitations, analysing the available health information.
- Carries out statistical and health surveys in livestock exploitations, relating them to the health programmes that have been applied.

“Support to Veterinary Healthcare”

The holder:

- Prepares the work area, the tools, the equipment and other means for the development of duties of the facultative or the assistant.
- Carries out auxiliary work in diagnostic testing and applies treatments, under the facultative’s supervision, analysing the techniques and the animal’s features.
- Carries out auxiliary work during surgical interventions and healings, under the supervision of the veterinary practitioner, analysing the work procedures and the orders.
- Completes documentation related to diagnosis or therapeutic procedures, interpreting the protocols established.
- Supervises the equipment and the materials of working vehicles of animal health services, relating the means required to the tasks to carry out.

“Biosafety”

The holder:

- Monitors biosafety measures in livestock exploitation, veterinary centres and zoological nucleus, analyzing performance protocols.
- Collaborates in the development of biosafety programmes on biological vectors, relating the control techniques and the protocols to their applications.
- Collaborates in the development of biosafety programmes on inert vectors, identifying control methods.
- Monitors the collection, treatment and disposal of manure, slurry and wastewater produced in the exploitation, interpreting the regulations in force and the performance protocols.
- Monitors carcass disposal and remains of animals, analysing the regulations in force and the protocols.
- Monitors the execution of cleaning, disinfection and disinsectisation programmes carried out by rancher and the staff at veterinary centres and zoological nucleus, relating the features of the exploitation to the efficiency of the programmes.

“Management in Veterinary Centres”

The holder:

- Distributes the dependencies and facilities in a veterinary centre, analysing technical and functional criteria.
- Controls and organizes the storage and conservation of the stock in a veterinary centre, analysing the systems and the associated techniques.
- Organizes the cleaning activities and the installations’ maintenance and the equipment in the veterinarian centre, analysing the organization methods and protocols.
- Provides customer service, characterising and applying the associated procedures.
- Generate budgets and records, invoices and charges the services provided, analysing the costs of the products and services, as well as the means for their elaboration.

“Project on Livestock and Support to Animal Healthcare”

The holder:

- Identifies the needs of the production sector, relating them with the standard projects that may satisfy them.
- Designs projects related to the competences described in the diploma, including and developing their constituting stages.
- Plans the project implementation, determining the intervention plan and associated documentation.
- Defines the procedures for the monitoring and control of the project implementation, justifying the selection of variables and instruments used.

“Professional Training and Guidance”

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company's goals.
- Exercises rights and complies with the duties derived from labour relationships, recognising them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different covered eventualities, identifying the different types of assistance.
- Assesses risks derived from his/her activity, analysing job conditions and risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan in a small enterprise, identifying the responsibilities of all agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Higher Technician in Livestock and Animal Healthcare.

“Business and Entrepreneurial Initiative”

The holder:

- Recognises skills related to entrepreneurial initiative, analysing the requirements derived from job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the performance setting and incorporating ethic values.
- Carries out the activities for the setting-up and implementation of a company, choosing the legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

“On the Job Training”

The holder:

- Identifies the structure and organisation of the company, relating both to the production and commercialisation of the products obtained.
- Applies ethical and labour habits to the development of his/her professional activity, according to the features of the job and to the procedures established by the company.
- Carries out management tasks in veterinary centres and assists the veterinary healthcare, according to the centre's features and following the instructions of the veterinary practitioner.
- Manages the biosecurity and the breeder sanitation of the exploitations, analyzing the existing rules and protocols.
- Controls and organises the reproduction and breeding in livestock exploitations, developing a production plan in accordance to the species.
- Manages meat production and other livestock products, applying the production plan established by the company.
- Manages the rearing, management and taming of equines relating the techniques and the materials to each stage of the work.

RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA

The Higher Technician in Livestock and Animal Healthcare works in the area of livestock production, be it conventional or environmentally friendly, in large, medium-size and small companies, public or private, and also in companies related to breeding, training, riding and exhibition of horse-family livestock, either as an employee or self-employed, where appropriate following the instructions of the production responsible or in some cases, under the supervision of a veterinary practitioner. He/she may also have staff under his/her management. Furthermore she/he develops his/her activity in other public or private institutions or institutions that carry out activities related to health inspection and management, amongst other in: Veterinary teams, livestock exploitations, zoological nucleus associations of producers, health defence groups, companies in the agri-food sector, companies offering livestock services and research establishments, depending on a directly superior responsible.

The most relevant occupations or jobs are the following:

- Responsible for the livestock exploitation

- Responsible for the production in cooperatives, agrarian transformation companies or other breeders' organisations.
- Responsible for the production in livestock companies or exploitations.
- Responsible in companies devoted to provide services related to livestock production
- Responsible for artificial insemination in livestock exploitations or semen collection centres
- Person in charge of machines and breeder equipment
- Responsible/manager of horse breeding
- Advisor and supervisor for the panning, assembly, planning and working of companies and bodies associated to events, performances, equestrian demonstrations, recreational, sport and therapeutic (hippotherapy) activities.
- Responsible for livestock management and of the installations in training and taming centres for horse breeding
- Responsible for the management of livestock care and for the facilities in schools and riding clubs
- Responsible for the management, care and therapy-delivery in horse training, rest and recuperation of equine livestock
- Member of commissions for the assessment, selection and purchase of equine livestock
- Responsible for service companies related to the equine sector
- Veterinary assistant at university and an
- Visitor for veterinary products
- Veterinary assistant in veterinary teams specialised in farm animals and production
- Veterinary assistant in livestock holdings
- Veterinary assistant in health protection groups
- Veterinary assistant in producer associations
- Veterinary assistant in companies in the agri-food sector and companies providing services to livestock production

AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA

Name of the body awarding the diploma on behalf of the King of Spain: Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain.

Official duration of the education/ training leading to the diploma: 2000 hours.

Level of the diploma (national or international)

- NATIONAL: Non-University Higher Education
- INTERNATIONAL:
 - Level 5 of the International Standard Classification of Education (ISCED5).
 - Level 5 of the European Qualifications Framework (EQF5).

Entry requirements: Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding access test.

Access to next level of education/training: This diploma provides access to university studies.

Legal basis: Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 1585/2012, of 23 November, according to which the diploma of Higher Technician in Livestock and Animal Healthcare and its corresponding minimum teaching requirements are established.

Explanatory note: This document is designed to provide additional information about the specified diploma and does not have any legal status in itself.

COURSE STRUCTURE OF THE OFFICIALLY RECOGNISED DIPLOMA

PROFESSIONAL MODULES IN THE DIPLOMA ROYAL DECREE	CREDITS ECTS
Organization and Control	16
Management of Animal Production	15
Management of Horse Rearing	9
Organisation and Supervision of Equines' Management and Taming	11
Agricultural Machinery and Installations	6
Breeder Sanitation	7
Support to Veterinary Healthcare	7
Biosafety	9
Management in veterinarian Centres	4
Project on Livestock and Support to Animal Healthcare	5
Vocational Training and Guidance	5
Business and Entrepreneurial Initiative	4
On the Job Training	22
	TOTAL CREDITS
	120
OFFICIAL DURATION (HOURS)	2000

* The minimum teaching requirements shown in the table above comprise 55% official credit points valid throughout Spain. The remaining 45% corresponds to each Autonomous Community and can be described in the **Annex I** of this supplement.

INFORMATION ON THE EDUCATION SYSTEM

