

| Learning outcomes | The Netherlands Dutch AgriECVET courses | Austria Bereitschaft, EQF 4 | Denmark Hyppokost, EQF 4/5 | Belgium VABE Agriculture, EQF 4 | Belgium VABE Horti, EQF 5 | Norway Bene VABE, EQF 3/4 | The Netherlands Bereits, EQF 4 | |
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| | <p>a lot of overlap some overlap very limited or no overlap</p> | | | | | | | |
| Optimization/innovation | <ul style="list-style-type: none"> Introduction to the Biobased Economy; IPM; Marketing of agricultural products; Entrepreneurship in agriculture and farming; Undertake an investigative project in Agriculture. | <ul style="list-style-type: none"> Optimize operations; improves process production; Advises on innovations | <ul style="list-style-type: none"> be able to unite and co-ordinate the requirements of nature, economy and scientific progress by protecting and improving the basis of life and maintaining a healthy environment; | <ul style="list-style-type: none"> undertake project management, networking and innovative work within production areas of agriculture; establish and develop an agricultural enterprise based on a resource-oriented strategy using knowledge about biology, production techniques and economy; analyze and evaluate agricultural production and on the basis of this implement changes in daily production; assess the layout and dimensioning of a production plant for commercial livestock in relation to the animals' natural behaviour, welfare and productivity. | | <ul style="list-style-type: none"> plan, implement and document assignments in nature-based production and activities and evaluating performance, quality and profitability propose schemes for recycling and multiple use of resources in nature-based production propose environmental and energy saving measures and evaluate alternative energy sources in agriculture and horticulture propose new products based on local natural resources and assess possibilities for establishing a new business in accordance with relevant regulations, ethics and ecological principles elaborate on requirements for professional labour management, plan a nature-based assignment for several individuals, manage its implementation and evaluate the results | <ul style="list-style-type: none"> Is responsible for the quality of agribusiness product Optimize operations Improves process / production Advises on innovations | |
| Supervision of personnel | <ul style="list-style-type: none"> Entrepreneurship in agriculture and farming; New horizons in pig production. | <ul style="list-style-type: none"> Supervises and helps employees in the technical area | <ul style="list-style-type: none"> be capable of individual further education as well as personnel management, be able to plan their further education and facilitate continuing training of their co-workers be able to recognize, analyze and overcome conflicts and be ready and able to communicate as well as to cooperate in problem solving. | <ul style="list-style-type: none"> develop personal leadership skills and act in an agricultural policy environment perform the general management of the farm business through organizational plans and personnel policies; take responsibility for leading, developing and motivating farm staff and train young people who are under education in agriculture. | <ul style="list-style-type: none"> To run a company or business with live with animals independently. To plan, coordinate work. To manage personnel. | <ul style="list-style-type: none"> During the body time of harvesting you can guide the seasonal employees. You do this under supervision of the manager/breeder. You manage and instruct a small team of employees. You carry out activities related to crop management. You can work in a team. | <ul style="list-style-type: none"> elaborate on requirements for professional labour management, plan a nature-based assignment for several individuals, manage its implementation and evaluate the results. | <ul style="list-style-type: none"> Is responsible for information in the chain Plans and distributes daily work Manages employees in the technical area |
| Managing daily activities | <ul style="list-style-type: none"> Introduction to the Biobased Economy; Sustainable daily farming; Animal health. | <ul style="list-style-type: none"> Plans and distributes daily work; The cultivation process is responsible for the handling and managing of cultivation process; Product / crop cultivation; Is responsible for the quality of product agribusiness Is responsible for machinery, equipment and technical installations Is responsible for land and buildings Is responsible for information in the chain | <ul style="list-style-type: none"> to administrate managing and advanced jobs in the professions of agriculture and forestry, particularly in their own branch as well as in related fields; | <ul style="list-style-type: none"> organize and carry out an agricultural production based on insight into biology, production techniques and economy; Specialized in crop production plan and perform tasks with the establishment, tending and harvesting of agricultural crops as well as observe and react to pests and deficiency diseases; contribute to the preparation of field, fertilising and spraying plans as well as plan and perform spraying tasks for agricultural crops; participate in the planning and execution of wildlife and nature management. Specialized in livestock production perform the daily tending of livestock, assess fodder quality as well as plan and be responsible for the feeding of selected livestock; participate in the preparation of breeding plans for selected livestock and will have knowledge of the animals' reproduction conditions and estimated breeding value. | <ul style="list-style-type: none"> To run a company or business with live with animals independently. To plan, coordinate work. To manage personnel. | <ul style="list-style-type: none"> You develop competences to lead a company specialized in the production, nursery or processing of plants or plant materials after a number of years of training. This can be in an agricultural company, a fruit grower, a vegetable grower, a florist or an arborist. Must be able to plan and organise activities. | <ul style="list-style-type: none"> elaborate on requirements for professional labour management, plan a nature-based assignment for several individuals, manage its implementation and evaluate the results | <ul style="list-style-type: none"> Is responsible for land and buildings Providing production and livestock Is responsible for production animals Is responsible for animal product Is responsible for forage production Manages livestock production Plans and distributes daily work |
| Rules & regulations | <ul style="list-style-type: none"> Organic farming | | <ul style="list-style-type: none"> be able to know and consider requirements of professional practice in their field determined by laws or other legal regulations; | | | <ul style="list-style-type: none"> document the quality of processes and products in accordance with the quality of processes and products in accordance with certification systems for food quality and environment; implement a production in accordance with the principles for ecological production and relevant regulations; assess risk linked to nature-based tasks and activities and work in accordance with relevant Environment, health and safety regulations; use and maintain vehicles, machines, buildings and technical equipment according to relevant regulations and standards; propose new products based on local natural resources and assess possibilities for establishing a new business in accordance with relevant regulations, ethics and ecological principles. | <ul style="list-style-type: none"> Is responsible for the quality of agribusiness product | |
| Technical skills | <ul style="list-style-type: none"> Hofcare; Organic farming; Sustainable daily farming; IPM; Marketing of agricultural products; Poultry; Entrepreneurship in agriculture and farming; Animal health; Hightech milking; New horizons in pig | <ul style="list-style-type: none"> Is responsible for machinery, equipment and technical installations | <ul style="list-style-type: none"> possess solid state-of-the-art knowledge and skills in science and technology | <ul style="list-style-type: none"> use, operate and maintain larger and complicated machinery and technical installations that are used for the cultivating, transport and storage of agricultural crops (crops specialization); use, operate and maintain complicated machinery and technical installations as well as other production equipment that is used for livestock (livestock specialization) use, operate and maintain ordinarily selected machines and technical installations as well as maintain agricultural buildings handle chemicals and use and calibrate spraying material in practice. | <ul style="list-style-type: none"> To know what animals eat, how they are fed, how to house animals, how to take care of them and how to breed and select animals in different circumstances. What kind of diseases and abnormalities animals can get and how to monitor this. | <ul style="list-style-type: none"> The education provides opportunities to work as a technical assistant in various types of companies (manufacturing, construction companies, flower and garden centers, etc.) or in public services. Contribute to the sustainable production of vegetables, fruits, flowers, plants and trees. You multiply, sow or plant, care, harvest and sort. You make the products ready for the market (sales) so that they meet the standards of hygiene and safety (market demands) for sale. You can also develop the competences in landscaping and maintenance of gardens or garden design and construction. You can carry out cultivation work, implement cultivation plans and monitor cultivation activities. | <ul style="list-style-type: none"> carry out tasks in agriculture and horticulture based on the nature of the production, biology of the organism and requirements for care carry out industry-related activities in nature and under varying circumstances, assess risk and take care of own safety assess risk linked to nature-based tasks and activities and work in accordance with relevant Environment, health and safety regulations use and maintain vehicles, machines, buildings and technical equipment according to relevant regulations and standards propose schemes for recycling and multiple use of resources in nature-based production propose environmental and energy saving measures and evaluate alternative energy sources in agriculture and horticulture. | <ul style="list-style-type: none"> Is responsible for machinery, equipment and technical installations Manages employees in the technical area |
| Overview | <ul style="list-style-type: none"> Sustainable daily farming; Entrepreneurship in agriculture and farming; Animal health; New horizons in pig | | <ul style="list-style-type: none"> be able to estimate the scope of their decisions with respect toward society and posterity; | | | <ul style="list-style-type: none"> chart nature and assess commercial opportunities based on local natural resources, and give examples of how commercial practice affects the local community, environment and biological diversity propose new products based on local natural resources and assess possibilities for establishing a new business in accordance with relevant regulations, ethics and ecological principles. | | |
| Social skills | <ul style="list-style-type: none"> Entrepreneurship in agriculture and farming. | | <ul style="list-style-type: none"> take pleasure in their own work, accept self-criticism, respect the work of others; | <ul style="list-style-type: none"> communicate professionally with agriculture company's stakeholders. | <ul style="list-style-type: none"> Be able to maintain relationships with the environment - Aiming to complete an assigned task accurately within the prescribed time. Deal with animals in a friendly manner. Pursue and promote welfare as much as possible (nutrition, hygiene, housing). Dare to stand up for his (her) opinion and feelings and to formulate them in a polite way and come up with arguments. Act according to the rules and agreements. Focus on the work in order to achieve the goal, despite difficulties. To be able to decide in a systematic way which steps to take in the implementation of a task. To understand the situation in which people find themselves, show understanding and deal with people tactfully. Willing to adapt to changing circumstances (other materials, other tools, new orders). Be customer (and satisfaction) oriented. Avoiding waste and respecting the environment. Willing to search for information. Being aware of the impact that own behavior and appearance can have on others. Contribute to life and work as a community of people who help each other. Dealing with the concern for themselves, for others and for the environment. Willing to work in a team. | <ul style="list-style-type: none"> Aiming to complete an assigned task accurately within the prescribed time. Dare to stand up for his (her) opinion and feelings and to formulate them in a polite way and come up with arguments. Act according to the rules and agreements. Focus on the work in order to achieve the goal, despite difficulties. To be able to decide in a systematic way which steps to take in the implementation of a task. To understand the situation in which people find themselves, show understanding and deal with people tactfully. Willing to adapt to changing circumstances (other materials, other tools, new orders). Be customer (and satisfaction) oriented. Avoiding waste and respecting the environment. Willing to search for information. Being aware of the impact that own behavior and appearance can have on others. Contribute to life and work as a community of people who help each other. Dealing with the concern for themselves, for others and for the environment. Willing to work in a team. | <ul style="list-style-type: none"> elaborate on requirements for professional labour management, plan a nature-based assignment for several individuals, manage its implementation and evaluate the results | |
| International/strategic planning | <ul style="list-style-type: none"> Introduction to the Biobased Economy; Sustainable daily farming; Entrepreneurship in agriculture and farming; New horizons in pig production. Undertake an investigative project in Agriculture. | | <ul style="list-style-type: none"> recognize the importance of communication ability in foreign languages, particularly with the multilingual background of the EU and be able to perform competently in foreign languages within the joint/international professional field of agriculture and forestry; be able to estimate global human problems and to evaluate their effects on agriculture and forestry. | <ul style="list-style-type: none"> develop a long term strategic plan for the farm business based on the national and international economy and politics. | | <ul style="list-style-type: none"> chart nature and assess commercial opportunities based on local natural resources, and give examples of how commercial practice affects the local community, environment and biological diversity propose new products based on local natural resources and assess possibilities for establishing a new business in accordance with relevant regulations, ethics and ecological principles. assess risk and use in a particular area based on principles for sustainable resource management elaborate on the process of establishing a company and explain the purpose and content of a business plan describe central elements in good economic steering and use computer tools to prepare a simple financial overview for a nature-based production. | <ul style="list-style-type: none"> Analyses business and represents vision | |
| Business plan | <ul style="list-style-type: none"> Introduction to the Biobased Economy; Sustainable daily farming; Marketing of agricultural products; Entrepreneurship in agriculture and farming. Undertake an investigative project in Agriculture. | <ul style="list-style-type: none"> Improves process / production Analyzes business vision and represents Analyzes suppliers and market Advises on innovations Constitutes networks and make use of it | | <ul style="list-style-type: none"> prepare a marketing plan and define the sales strategy for the total production from an agricultural company. | <ul style="list-style-type: none"> To possess the right entrepreneurial skills. Is able to carry out financial administration. | <ul style="list-style-type: none"> You develop competences to lead a company specialized in the production, nursery or processing of plants or plant materials after a number of years of training. This can be in an agricultural company, a fruit grower, a vegetable grower, a florist or an arborist. | <ul style="list-style-type: none"> chart nature and assess commercial opportunities based on local natural resources, and give examples of how commercial practice affects the local community, environment and biological diversity propose new products based on local natural resources and assess possibilities for establishing a new business in accordance with relevant regulations, ethics and ecological principles give examples of requirements set by customers for product selection and quality in agriculture and horticulture, and elaborate on what professional customer service means assess risk and use in a particular area based on principles for sustainable resource management elaborate on the process of establishing a company and explain the purpose and content of a business plan elaborate on ownership and forms of ownership and describe traditions related to the administration of properties with natural resources prepare a selected product for sale and elaborate on various forms of sales and trading in agriculture and horticulture describe central elements in good economic steering and use computer tools to prepare a simple financial overview for a nature-based production elaborate on requirements for professional labour management, plan a nature-based assignment for several individuals, manage its implementation and evaluate the results | <ul style="list-style-type: none"> Analyses business and represents vision Analyses suppliers and market Advises on innovations Constitutes networks and uses these |
| Sector culture | | <ul style="list-style-type: none"> gain access to the values that have formed and determined the living and working world of agriculture and forestry. | | | | <ul style="list-style-type: none"> carry out tasks in agriculture and horticulture based on the nature of the production, biology of the organisms and requirements for care document the quality of processes and products in accordance with the quality of processes and products in accordance with certification systems for food quality and environment; elaborate on principle differences between ecological and conventional forms of operation implement a production in accordance with the principles for ecological production and relevant regulations; collect and use information from trade literature, media and public administration about an actual activity or production in agriculture and horticulture; give examples of requirements set by customers for product selection and quality in agriculture and horticulture, and elaborate on what professional customer service means. | <ul style="list-style-type: none"> Constitutes networks and uses these | |
| International perspective | | <ul style="list-style-type: none"> know the European Union and its member states in their historical, cultural, economic and social aspects and recognize the meaning of the EU-state cooperation with other states in Europe and the world; | | | | | | |
| Study skills | | <ul style="list-style-type: none"> possess solid knowledge and skills that enable them | | | | | | |

| Learning outcomes | Introduction to the Biobased Economy | Hoofcare | Organic farming | Sustainable dairy farming | Integrated Pest Management (IPM) | Marketing of agricultural products | HighTech milking | Animal Health | Poultry | New horizons in pig production | Entrepreneurship in agriculture and farming | Undertake an investigative project in Agriculture |
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| <p>a lot of overlap</p> <p>some overlap</p> <p>very limited or no overlap</p> <p>Days with AgriECVET courses:</p> | <p>Learning outcomes:</p> <p>• Introduction to the Biobased Economy;</p> <p>• IPM;</p> <p>• Marketing of agricultural products;</p> <p>• Entrepreneurship in agriculture and farming;</p> <p>* Undertake an investigative project in Agriculture.</p> | <p>LO1: He is able to advise on Biobased business activities. LO5: He is able to build up a network with partners in the Bio-based chain and to make use of this network.</p> <p>LO6: He is able to improve business and production according to the principles of Biobased Economy</p> | | | <p>LO2: (S)he can suggest relevant non-chemical IPM methods for prevention, suppression or control of harmful organisms. LO3: (S)he can optimise control of harmful organisms on the basis of decision support tools and strategies to optimize pesticides use.</p> | <p>LO4: He is able to create a promotional campaign for an agricultural company.</p> | | | | | <p>LO2: (S)he can suggest relevant measures as an entrepreneur to make a business plan. LO4: (S)he can make use of adequate strategies for a farm company to suggest new business ideas and to develop the farm's economy.</p> | <p>LO3: Be able to carry out an investigative project in the environmental and land-based sector.</p> |
| Supervision of personnel | <p>• Entrepreneurship in agriculture and farming;</p> <p>• New horizons in pig production.</p> | | | | | | | | | <p>LO1: (S)he can act on the basis of knowledge in essential factors for growth and welfare in pig production.</p> | <p>LO1: (S)he can provide a general overview of entrepreneurship and related tasks.</p> | |
| Managing daily activities | <p>• Introduction to the Biobased Economy;</p> <p>• Sustainable dairy farming;</p> <p>• Animal health.</p> | <p>LO1: He is able to manage the production process according Biobased principles.</p> | <p>LO4: He/She is able to manage an organic farm in a profitable way</p> | <p>LO2: He is able to manage sustainable grassland for grazing</p> | | | | <p>LO4: He/She is able to apply farming methods in order to prevent health problems.</p> | | | | |
| Rules & regulations | <p>• Organic farming</p> | | <p>LO1: He/She is able to explain the principles and regulations in organic farming.</p> | | | | | | | | | |
| Technical skills | <p>• Hoofcare;</p> <p>• Organic farming;</p> <p>• Sustainable dairy farming;</p> <p>• IPM;</p> <p>• Marketing of agricultural products;</p> <p>• Poultry;</p> <p>• Entrepreneurship in agriculture and farming;</p> <p>• Animal health;</p> <p>• Hightech milking;</p> <p>• New horizons in pig production.</p> | <p>LO1: Students are able to execute hoofcare; LO2: Optimize health of the claw</p> | <p>LO2: He/She is able to identify the main factors of sustainable farming. LO3: He/She is able to produce different types of food from primary organic products</p> | <p>1. LO1: Understand how to manage soil using organic principles. LO2: He is able to manage sustainable grassland for grazing. LO3: He is able to understand the cycle of nutrients.</p> | <p>LO1: (S)he can provide a general overview of the IPM principles and their implementation. LO2: (S)he can suggest relevant non-chemical IPM methods for prevention, suppression or control of harmful organisms. LO4: (S)he can operate a field sprayer on basic level, with special focus on personal safety and optimal application of pesticides.</p> | <p>1. LO1: He is able to use the basic principles of the marketing mix. LO2: He is able to choose suitable promotional activities within the marketing mix. LO3: He is able to explain the role of advertising agencies and the media.</p> | <p>1. He/She is able to select a suitable "Hightech milking" technique. 2) He/She is able to work with and maintain one/more Hightech Milking equipment. 3) He/She is able to evaluate the chosen technique.</p> | <p>1. LO1: He/She is able to identify signals of animal health and animal diseases. LO2: He/She knows the connection between animal health and product quality. LO3: He/She is able to apply adequate treatment for ill animals. LO4: He/She is able to apply farming methods in order to prevent health problems.</p> | <p>LO1: He/She is able to understand the functions of the main components of an animal diet. LO2: He/She is able to determine the feed intake and condition. LO4: He/She is able to know which animal nutrition problems there are. LO5: He/She is able to know the requirements of the main commercial poultry systems. LO6:</p> | <p>LO1: (S)he can act on the basis of knowledge in essential factors for growth and welfare in pig production. LO2: (S)he knows about various production systems and can evaluate pro's et cons.</p> | <p>LO1: (S)he can provide a general overview of entrepreneurship and related tasks. LO3: (S)he can make a market survey and make a market plan.</p> | <p>LO1: Be able to identify and research a suitable topic for an investigative project in the environmental and land-based sector. LO2: Be able to plan for an investigative project in the environmental and land-based sector. LO3: Be able to carry out an investigative project in the environmental and land-based sector.</p> |
| Overview | <p>• Sustainable dairy farming;</p> <p>• Entrepreneurship in agriculture and farming;</p> <p>• Animal health;</p> <p>• New horizons in pig production.</p> | | | <p>LO4: Understand the importance of sustainable home grown feeding. LO5: Understand the importance of sustainable expansion.</p> | | | | <p>LO4: He/She is able to apply farming methods in order to prevent health problems.</p> | | <p>LO2: (S)he knows about various production systems and can evaluate pro's et cons.</p> | <p>LO4: (S)he can make use of adequate strategies for a farm company to suggest new business ideas and to develop the farm's economy.</p> | |
| Social skills | <p>• Entrepreneurship in agriculture and farming.</p> | | | | | | | | | | <p>LO1: (S)he can provide a general overview of entrepreneurship and related tasks. LO5: (S)he can sell in the new business plan for an audience.</p> | |
| International/strategic planning | <p>• Introduction to the Biobased Economy;</p> <p>• Sustainable dairy farming;</p> <p>• Entrepreneurship in agriculture and farming;</p> <p>• New horizons in pig production.</p> <p>* Undertake an investigative project in Agriculture.</p> | <p>LO2: He is able to analyze company statistics and to determine the corporate strategy</p> | | <p>LO5: Understand the importance of sustainable expansion</p> | | | | | | <p>LO3: (S)he can sketch the outline of a future pig production incorporating high standards of efficiency, quality and welfare.</p> | <p>LO2: (S)he can suggest relevant measures as an entrepreneur to make a business plan. LO4: (S)he can make use of adequate strategies for a farm company to suggest new business ideas and to develop the farm's economy.</p> | <p>LO3: Be able to carry out an investigative project in the environmental and land-based sector. LO4: Be able to report on an investigative project in the environmental and land-based sector.</p> |
| Business plan | <p>• Introduction to the Biobased Economy;</p> <p>• Sustainable dairy farming;</p> <p>• Marketing of agricultural products;</p> <p>• Entrepreneurship in agriculture and farming.</p> <p>* Undertake an investigative project in Agriculture.</p> | <p>LO3: He is able to analyze the market for Biobased activities</p> | | <p>LO5: Understand the importance of sustainable expansion</p> | | <p>LO4: He is able to create a promotional campaign for an agricultural company.</p> | | | | | <p>LO2: (S)he can suggest relevant measures as an entrepreneur to make a business plan. LO3: (S)he can make a market survey and make a market plan.</p> | <p>LO3: Be able to carry out an investigative project in the environmental and land-based sector. LO4: Be able to report on an investigative project in the environmental and land-based sector.</p> |
| sector culture | | | | | | | | | | | | |
| International perspective | | | | | | | | | | | | |
| study skills | | | | | | | | | | | | |