SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir kmetijstva/magistrica inženirka kmetijstva

Selected qualifications

Name of qualification	Magister inženir kmetijstva/magistrica inženirka kmetijstva
Translated title (no legal status)	Master of Science in agricultural engineering
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

• A completed first-cycle study programme in a relevant technical field or
• a completed first-cycle study programme in another field, if prior to enrolment the candidate completes the course units that are essential for further study; or
• a completed professional higher education programme, adopted prior to 11 June 2004, in a relevant technical field; or
• a completed professional higher education programme, adopted prior to 11 June 2004, in another technical field, if the candidate completes the course units that are essential for further study.

ISCED field

Field
Kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

ISCED subfield

subfield interdisciplinarne izobraževalne aktivnosti/izidi, pretežno kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:
(general competences)

- take a comprehensive and in-depth view of the development of modern Mediterranean agriculture, taking account of the principles of sustainability,
- demonstrate extensive natural science and technical knowledge in the field of sustainable Mediterranean production and processing,
- solve problems analytically using various resources and an interdisciplinary approach, and transfer knowledge from theory to practice,
- demonstrate autonomy to perform research work in the field of natural science and agriculture,
- communicate using modern communication systems,
- critically and self-critically assess and produce independent texts (articles, papers, assessments and discussions),
- critically verify information and foresee solutions and consequences,
- apply theoretical and practical research methods, various procedures and technologies,
- show a commitment to ethics and a developed sense of professionalism,

(subject-specific competences)

- demonstrate in-depth familiarity with the growth, development and origin of Mediterranean cultures,
- demonstrate in-depth familiarity with the specific and ecological requirements of individual Mediterranean species,
- demonstrate in-depth knowledge of the possibility for improvement and cultivation of new varieties through target-oriented plant breeding and in-depth knowledge of biotechnical methods,
- demonstrate in-depth familiarity with ecological principles in animal husbandry,
- demonstrate in-depth familiarity with factors affecting and guiding animal husbandry in the

Mediterranean, including high-mountain livestock farming,
- demonstrate in-depth familiarity with native animal breeds, and animal selection and population genetics,
- plan milk processing into dairy products and meat processing,
- plan the development of a typical agricultural product,
- demonstrate thorough knowledge of the elements for planning and development of sustainable Mediterranean farming,
- demonstrate in-depth knowledge of the traceability of agricultural products and foodstuffs for quality assurance,
- demonstrate in-depth knowledge of preserving the genetic diversity of generative and vegetative plant propagation and management of genetic resources,
- integrate knowledge of natural science fields in an interdisciplinary manner,
- demonstrate in-depth knowledge of modern biotechnical methods and traditional methods of propagating agricultural plants,
- demonstrate in-depth knowledge of the genetics of agricultural plants, familiarity with modern biotechnical methods for targeted breeding of plants adapted for cultivation in a specific climate – the Mediterranean,
- demonstrate in-depth knowledge of the specifics and issues of the Mediterranean rural environment,
- place new research, scientific and technical findings plus information and interpretations in the context of the fundamental agronomic discipline,
- recognise and resolve specific work problems relating to sustainable production and processing through the application of appropriate scientific methods and procedures,
- pursue innovation and development of technological processes in the production systems of Mediterranean cultures, taking into account the special features of the cultivation environment,
- produce healthy and traceable Mediterranean cultures,
- develop skills in the application of knowledge in the technical field, master methods of production in the agricultural sector, process, distribute and market products.

Assessment and completion

Examination performance is graded as follows: 10 (excellent); 9 (very good: above-average knowledge but with some mistakes); 8 (very good: solid results); 7 (good); 6 (adequate: knowledge satisfies minimum criteria); 5–1 (inadequate). In order to pass an examination, a candidate must achieve a grade between adequate (6) and excellent (10).

Progression

Students may enrol in the next year if by the end of the academic year they have completed all requirements defined by the study programme for enrolment in the next year.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

Students must meet all requirements defined by the study programme to complete their studies.

Awarding body

University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies

URL

https://www.famnit.upr.si/en