The list of academic disciplines of the university component

7M08 - Agriculture and bioresources
(Code and classification of the field of education)

7M081 - Agronomy
(Code and classification of the direction of training)

0812
(Code in the International Standard Classification of Education)

M131 - Crop Production
(Code and classification of the educational program group)

7M08101 - Agronomy
(Code and name of the educational program)

Master
(Level of preparation)

set of 2023

Semey 2023

Developed
By the Academic Committee of the EP
The head of the AC Yesengulova N.
EP Manager Zakiyeva A.

Reviewed
At the meeting of the Commission on Quality Assurance of Veterinary Medicine and Agricultural Management
Recommended for approval by the Academic Council of the University
Protocol № 4.1 "06" April 2023
Chairman of the Commission G.I. Dzhamanova

Approved at the meeting of the Academic Council of the University Protocol No. 8 "25" April 2023.

Approved
at the meeting of the Academic Council of the University
Protocol № 1 "01" of September 2023
Chairman of the Academic Council of the University Orynbekov D.R.

Foreign language (professional)

Discipline cycle	Basic disciplines
Course	1
Credits count	3
Knowledge control form	Examination

Short description of discipline
Mastery of general cultural, professional and special competencies for the implementation of professional activities, involving teaching free reading of original literature of the relevant branch of knowledge in a foreign language; development of oral communication skills in monological and dialogical form in the specialty; development of written scientific communication skills on topics related to the scientific work of a graduate student, as well as familiarization with the forms and types of international cooperation in the scientific field.

Purpose of studying of the discipline
The purpose of studying the discipline "Foreign language (professional)" in the master`s degree program is the systematic deepening of communicative competence within the framework of international standards of foreign language education on the basis of further development of skills and abilities of active language proficiency in the professional activity of the future master.

Learning Outcomes
ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

Learning outcomes by discipline
- to know the specifics of oral and written speech in the fields of professional, scientific, socio-political relations;
- to know the national and cultural peculiarities of the creation and organization of a text in a foreign language within the framework of professionally motivated conditions;
- to know the stylistic features of the vocabulary of a foreign language in the field of professional communication;
be able to perform:
- implementation of professional activity in linguistic, sociolinguistic, information-analytical and communicative aspects;
- creating your own verbal and non-verbal order in the fields of professional and scientific socio-political relations;
- the use of a variety of language and speech means adequate to social factors, communication conditions, the status of the interlocutor and his communicative intentions;
-be able to organize speech activity as a representative of another culture and the nature of communication in accordance with the tasks of communication, the speech situation, individual characteristics;
the presence of skills:
- to perceive by ear and understand the appropriate level of messages of a business, informational and vocational nature;
- dialogical and monological communication within the framework of professional activity;
- to get acquainted and study business and scientific and technical documentation, which provides for obtaining information from what has been read and using it in speech;
- have the skills of systematic presentation of thoughts, thinking, information when writing letters of an official, professional nature;

Prerequisites
Bachelor

Postrequisites
Final examination

History and philosophy of science

Discipline cycle	Basic disciplines
Course	1
Credits count	5
Knowledge control form	Examination

Short description of discipline
The discipline is aimed at studying the culture of scientific thinking, forms analytical capabilities and research skills, provides theoretical and practical knowledge necessary for a future scientist. Explores the historical evolution of the sciences and the philosophical perspectives they form. The origins of modern science, its social and institutional connections are described. General philosophical issues related to thought experiments, confirmation and refutation of theories, the origin and application of quantitative and high-quality research methods are considered.

Purpose of studying of the discipline
the formation of an interdisciplinary worldview among undergraduates, based on a deep understanding of the history and philosophy (theory) of scientific thinking, as part of a universal culture.

Learning Outcomes
ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

Learning outcomes by discipline
Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activity.

Prerequisites
Bachelor

Postrequisites
Final examination

Tertiary education

Discipline cycle	Basic disciplines
Course	1
Credits count	3
Knowledge control form	Examination

Short description of discipline
The course is aimed at studying the main directions, principles and patterns of higher education. During the course of the course, the

basic concepts of modern pedagogy, concepts and theories of teaching and upbringing, didactics of higher education will be considered. The master`s student will master the skills of designing the organization of the educational process, techniques of individual and group reflection, will be able to correctly formulate pedagogical goals, apply educational technologies in the educational process. in the process, to design work programs of disciplines.

Purpose of studying of the discipline

The purpose of mastering the discipline is to master the system of knowledge about higher education, its content, structure, principles of educational process management and mastering modern technologies in the field of management and organization of the educational process

Learning Outcomes

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

Learning outcomes by discipline

• Solves the problems of higher pedagogical education and the prospects for its further development;
• Considers the application of effective university technologies;
• Solves topical and psychological and pedagogical problems,

Prerequisites

Bachelor

Postrequisites

Final examination

Psychology of management

Discipline cycle	Basic disciplines
Course	1
Credits count	3
Knowledge control form	Examination

Short description of discipline

The content of the course is aimed at mastering the approaches and directions of management psychology, psychological laws of management, features of planning and solving management problems. Students will get acquainted with the psychological methods of resolving conflict situations, master the ways of motivating work, the methods of using effective management styles. Skills will be formed to analyze the psychological causes underlying the decline in the effectiveness of the management process.

Purpose of studying of the discipline

The purpose of the discipline "Psychology of Management" is the formation of scientifically based ideas about the system of mental phenomena, psychological variables of behavior and conscious human activity in modern conditions and allows undergraduates to form skills of applying the acquired psychological knowledge in educational activities

Learning Outcomes

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

Learning outcomes by discipline

- they are able to determine the forms and methods of effective team management;
- develop plans for the development of organizations, provide psychological support for the activities of organizations;
- possess methods of solving managerial tasks.

Prerequisites

Bachelor

Postrequisites

Final examination

The research work of a student, including an internship and the implementation of a master s thesis I

Discipline cycle	Profiling discipline
Course	1
Credits count	11
Knowledge control form	Total mark on practice

Short description of discipline

The research (experimental research) work of students is an independent study under the guidance of a supervisor (consultant) of an urgent problem of the branch of science corresponding to the profile of the educational program mastered by the student. Writing articles and participating in conferences allows you not only to broaden your scientific horizons, develop analytical thinking and improve your independent research skills, but also to prepare for writing a master`s thesis.

Purpose of studying of the discipline

The purpose of the research (experimental research) work of the undergraduate is the formation of general cultural and professional competencies necessary for conducting both independent research work, the result of which is the writing and successful defense of a master`s thesis (project), and research work as part of a research team.

Learning Outcomes

ON2 Possess the methodology and methodology of agronomic research, determine and organize the direction of research, process and analyze scientific results and patent research data.

Learning outcomes by discipline

1. systematization, consolidation and expansion of knowledge about the most modern theoretical and technological achievements of science and practice in the chosen field of specialization;
2. mastering the most advanced scientific methodology in the chosen field of specialization, the formation of the ability to conduct an independent scientific search, the ability to solve specific scientific and practical problems;
3. demonstration of the level of scientific/research qualifications, maturity of a graduate of a master`s degree as a researcher capable of creatively formulating and solving scientific and practical problems, including interdisciplinary ones.

Prerequisites

Actual problems of crop production

Postrequisites

The research work of a student, including an internship and the implementation of a master s thesis II

Teaching practicum

Discipline cycle	Basic disciplines
Course	2
Credits count	6
Knowledge control form	Total mark on practice

Short description of discipline

The pedagogical practice of a graduate student is an essential component and an integral part of the educational process of undergraduates. This type of practice performs the functions of general professional training in terms of preparing undergraduates for teaching at a university. The pedagogical practice of a master`s student is a complex of educational and methodological works in order to master pedagogical skills and develop professional and practical competencies of students.

Purpose of studying of the discipline

Familiarity with the specific conditions of professional pedagogical activity, consolidation and deepening of theoretical knowledge of the undergraduate and the acquisition of practical skills and competencies in the field of professional activity

Learning Outcomes

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

Learning outcomes by discipline

1. selection of the content and construction of classes in various types of educational institutions, taking into account the laws of pedagogy and psychology, modern requirements of didactics (scientific);
2. actualization and stimulation of the creative approach of undergraduates to conducting classes based on the development of students as subjects of the educational process (creativity);
3. taking into account the scientific interests of undergraduates (the practice provides for classes in subjects and disciplines corresponding to the research interests of undergraduates).

Prerequisites

Tertiary education

Postrequisites

Final examination

The research work of a student, including an internship and the implementation of a master s thesis II

Discipline cycle	Profiling discipline
Course	2
Credits count	4
Knowledge control form	Total mark on practice

Short description of discipline

The research (experimental research) work of students is an independent study under the guidance of a supervisor (consultant) of an actual problem of a branch of science
corresponding to the profile of the educational program mastered by the student. Writing articles and participating in conferences allows you not only to broaden your scientific horizons, develop analytical thinking and improve
the skills of independent research work, but also to prepare for writing a master`s thesis.

Purpose of studying of the discipline

The purpose of the research (experimental research) work of the undergraduate is the formation of general cultural and professional competencies necessary for conducting both independent
research work, the result of which is the writing and successful defense of a master`s thesis (project), and research work as part of a research team.

Learning Outcomes

ON2 Possess the methodology and methodology of agronomic research, determine and organize the direction of research, process and analyze scientific results and patent research data.

Learning outcomes by discipline

1. systematization, consolidation and expansion of knowledge about the most modern theoretical and technological achievements of science and practice in the chosen field of specialization;
2. mastering the most advanced scientific methodology in the chosen field of specialization, the formation of the ability to conduct an independent scientific search, the ability to solve specific scientific and practical problems;
3. demonstration of the level of scientific/research qualifications, maturity of a graduate of a master`s degree as a researcher capable of creatively formulating and solving scientific and practical problems, including interdisciplinary ones.

Prerequisites

The research work of a student, including an internship and the implementation of a master s thesis I

Postrequisites

The research work of a student, including an internship and the implementation of a master s thesis III

Research scientific training

Discipline cycle	Profiling discipline
Course	2
Credits count	13
Knowledge control form	Total mark on practice

Short description of discipline

The research practice of the undergraduate is conducted in order to familiarize himself with the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research,
processing and interpretation of experimental data. Research practice is a mandatory section of the main educational program of the Master`s degree in scientific and pedagogical direction and is aimed at the formation of theoretical, research, methodological and practical skills.

Purpose of studying of the discipline

The research practice of the undergraduate is conducted in order to familiarize himself with the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research,
processing and interpretation of experimental data.

Learning Outcomes

ON2 Possess the methodology and methodology of agronomic research, determine and organize the direction of research, process and analyze scientific results and patent research data.

Learning outcomes by discipline

1. to draw up and justify the program and methodology for conducting field and laboratory experiments, observations and analyses;
2. calculate and use statistical indicators for analysis in order to select the best experience options;
3. organization and conduct of field work at the pilot site and in production conditions.

Prerequisites

The research work of a student, including an internship and the implementation of a master s thesis II

Postrequisites

Final examination

The research work of a student, including an internship and the implementation of a master s thesis III

Discipline cycle	Profiling discipline
Course	2
Credits count	9
Knowledge control form	Total mark on practice

Short description of discipline

The research (experimental research) work of students is an independent study under the guidance of a supervisor (consultant) of an urgent problem of the branch of science corresponding to the profile of the educational program mastered by the student. Writing articles and participating in conferences allows you not only to broaden your scientific horizons, develop analytical thinking and improve your independent research skills, but also to prepare for writing a master`s thesis.

Purpose of studying of the discipline

The purpose of the research (experimental research) work of the undergraduate is the formation of general cultural and professional competencies necessary for conducting both independent research work, the result of which is the writing and successful defense of a master`s thesis (project), and research work as part of a research team.

Learning Outcomes

ON2 Possess the methodology and methodology of agronomic research, determine and organize the direction of research, process and analyze scientific results and patent research data.

Learning outcomes by discipline

1. systematization, consolidation and expansion of knowledge about the most modern theoretical and technological achievements of science and practice in the chosen field of specialization;
2. mastering the most advanced scientific methodology in the chosen field of specialization, the formation of the ability to conduct an independent scientific search, the ability to solve specific scientific and practical problems;
3. demonstration of the level of scientific/research qualifications, maturity of a graduate of a master`s degree as a researcher capable of creatively formulating and solving scientific and practical problems, including interdisciplinary ones.

Prerequisites

The research work of a student, including an internship and the implementation of a master s thesis II

Postrequisites

Final examination