

SCIENTIFIC RESEARCH SEMINAR

SUMMARY

TO THE CURRICULUM OF THE EDUCATIONAL INSTITUTION

Specialty 7-06-0732-01 construction

Profiling industrial and civil construction

	Study mode					
	full-time			full-time		
Year	1	1	2	2	2	3
Semester	1	2	3	3	4	5
Seminar sessions, hours	16	16	16	4	4	4
Credit, semester	18	18	18	4	4	4
Classroom hours per academic discipline	1	2	3	3	4	5
Independent work, hours	34	34	34	8	8	8
Total course duration in hours / credit units	68	68	68	94	94	94
Year	306/9					

1. Summary of the academic discipline: organization of scientific research and forms of presentation of scientific research; general scientific and special research methods; methodology of qualitative and quantitative research; organization of work on the final master's thesis; ethics of scientific research.

2. As a result of mastering the discipline, the student should

know: the theoretical foundations and basic concepts of modern scientific research; existing research methods, including methods for collecting empirical data; basic methods for analyzing empirical data and their theoretical understanding;

data and their theoretical understanding; be able to: independently solve scientific problems of a fundamental and applied nature at a modern scientific and methodological level; carry out a qualified search, selection, analysis and generalization of information relevant to research work; develop and implement a program for research and design and analytical work; present intermediate and final results of a master's thesis;

have the skills of: scientific discussion, presentation of research results and design solutions; introspection of their own research activities; quantitative and qualitative analysis of research results, mathematical and statistical data processing, formulation of conclusions and skills of public defense of their own scientific research.

3. Emerging competencies: Apply methods of scientific knowledge in research activities, generate and implement innovative ideas; to develop innovation sensitivity and the ability to innovate.

4. Requirements and forms of current and interim certification. The current certification of students is carried out to determine the compliance of the results of their academic activities with the requirements of educational standards of higher education. The form of current student assessment is a credit. The current assessment is conducted orally. A form of intermediate assessment is a survey on seminar topics.