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СИБИРСКИЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ
SIBERIAN FEDERAL UNIVERSITY

"Ecology" PhD Program (Aspirantura)

https://edu.sfu-kras.ru/sites/edu.sfu-kras.ru/files/oop/programs/vo/OP-030208_2017.pdf

Aim:

Training of research and research-educational personnel of the highest qualification for research, education, national economy in the field of Ecology and Nature Management.

Objectives:

- formation of skills of independent research and teaching activities;
- in-depth study of the theoretical and methodological foundations of Biological sciences in the field of Ecology;
- improvement of philosophical education, including one oriented towards professional activity;
- improving knowledge of a foreign language, including its applications in professional activities.

<http://sunraise.sfu-kras.ru/PhD-studies>

Characteristics of the educational program:

- Purpose (mission): the educational program is implemented by the Siberian Federal University in order to create conditions for graduate students to acquire the necessary level of knowledge, skills, experience for the implementation of research and professional activities.
- The term for mastering the Program is 4 years for full-time students and 5 years for part-time students
- The work load for the full-time students is 240 ECTS; for part-time students it is 240 ECTS
- For implementing the Program in this field of training, e-learning and distance learning technologies are not used
- The implementation of the Program in this field of training is not carried out in a network form
- The implementation of the Program in this field of training is not carried out partially or completely in a foreign language
- The implementation of the Program is not yet adapted or partially adapted for people with disabilities and limited health capacity.

The educational program, if necessary, can be adapted for people with disabilities and limited health capacity.

Professional competencies:

- the ability to identify, classify, describe and monitor the components of biological systems;
- the ability to conduct research, testing, sampling, analysis of field and laboratory materials to identify sources of environmental problems, as well as advise on the prevention, control and elimination of the consequences of such problems;
- the ability to independently prepare scientific documentation in reports describing research and new results, presented to the scientific community in scientific journals or at conferences for consideration and further discussion;
- readiness for teaching activities in the field of Ecology;
- readiness to organize research activities in the specialty.

Criteria for assessing the research activity of students enrolled at the "Ecology" PhD program (1)

- Developed by:
 - Irina Bezkorovaynaya (Head of the Department of Ecology and Nature Management),
 - Irina Borisova (Deputy Director of the Institute of Economics and Geology for Academic Affairs),
 - Anastasia Knorre (Deputy Director for Science of the National Park "Krasnoyarsk Pillars");
- Discussed with representatives of partner universities of the project,
- Agreed with the employers (Academic Council <http://sunraise.sfu-kras.ru/node/124>),
- Approved by the Research Council of SFU.

Criteria for assessing the research activity of students enrolled at the "Ecology" PhD program (2)

Criterion (attestation requirement)	1 year		2 year		3 year		4 year	
	January	June	January	June	January	June	January	June
Publications (Higher Attestation Commission journals and/or indexed in WoS, Scopus)	0	0	1 paper submitted	0	1 paper submitted	1 paper published	1 paper submitted	1 paper published
Grants application	0	1 application submitted for travel grant (other grants)	0	1 application submitted for travel grant (other grants)	-	1 application submitted for travel grant (other grants)	-	1 application submitted for travel grant (other grants)
Conference participation	0	0	In-person participation in a conference (poster or oral presentation)		In-person participation in a conference (poster or oral presentation)		In-person participation in a conference (poster or oral presentation)	
Presentation of the results of research work	Presentation of the text version of the chapter on literature review (state of the art)	A talk at a scientific seminar with the results of research	Presentation of the text version of the chapter on materials and research methods	A talk at a scientific seminar with the results of research	Presentation of the text version of chapters with the main scientific results	A talk at a scientific seminar with the results of research	Submission of a draft version of the dissertation	Pre-Defense: Presentation of the main findings of the dissertation

Grading

The results of the intermediate attestation of a PhD student for every six months of training receive "excellent", "good", "satisfactory", or "unsatisfactory" grade. "Excellent", "good", "satisfactory" grades mean successful attestation of a PhD student.

«**Excellent**» - All requirements for attestation are met. Interim results of research work are presented in the form of a scientific report and presentation, the reliability of the research results has been demonstrated. The urgency of the problem and topic, selected taking into account the direction and specifics of training, scientific novelty, theoretical and practical significance of the research, is convincingly substantiated. In the course of the report, clear, detailed, scientifically reasoned answers were given to all the questions.

«**Good**» - One attestation requirement has not been met. Interim results of research work are presented in the form of a scientific report and presentation, the reliability of the research results has been demonstrated. The urgency of the problem and topic, scientific novelty, theoretical and practical significance of the research is insufficiently clearly substantiated. The answers to all the questions asked during the report were scientifically grounded, but unclear in structure or the answers were incomplete.

«**Satisfactory**» - Two requirements for attestation have not been met. Intermediate research results are presented in the form of a scientific report and presentation. The relevance, scientific novelty of the research is insufficiently substantiated. When presenting the intermediate results of scientific research, the PhD student avoids using scientific terms and phrases, has a poor understanding of the laws of rhetoric, in the course of the presentation, incorrect answers are given to a number of questions from the audience.

«**Unsatisfactory**» - None of the attestation requirements has been met. Intermediate research results are not presented.