

**Course Title**

Pedagogical Experience (cohorts 2018-2021)

Course Title (in Russian)

Педагогическая практика (годы набора 2018-2021)

Lead Instructor

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Co-Instructor

Artamonov, Dmitry

1. Annotation

Course Description

The main function of this course is to articulate Skoltech's expectations on PhD students who do their pedagogical TA assignment at Skoltech. The course describes the intended learning outcomes and how they are assessed.

The main bulk of the 81 hours of the course is spent in the actual courses in which the PhD-students do their TA-assignments.

The assignments in the course itself include TA proposal and TA report. Educational department should approve all assignments in Canvas in terms of content and formal requirements respectively.

Course Description (in Russian)

Основная задача данного курса сформулировать ожидания Сколтеха в отношении аспирантов, проходящих педагогическую практику. Курс описывает предполагаемые результаты обучения и способы их оценки.

Основная часть курса (как минимум 81 час) проходит на фактических курсах, на которых аспиранты проходят педагогическую практику и выполняют функции ассистентов преподавателя.

Задания на данном курсе включают заполнение плана практики и отчет по итогам её прохождения. Департамент образования должен одобрить задания в Канвасе с точки зрения как содержания, так и выполнения формальных требований.

2. Basic Information

Course Academic Level PhD

Number of ECTS credits 3

Course Prerequisites / Recommendations
Completed "Pedagogy of Higher Education" course.

Type of Assessment Pass/Fail

Mapping from grades to percentage:

Pass: 80

Term Term 1 Term 2 Winter Term Term 3
Term 4 Summer Term

Students of Which Programs do You Recommend to Consider this Course as an Elective?

BSc Programs	Masters Programs	PhD Programs
		All PhD Programs

Maximum Number of Students

	Maximum Number of Students
Overall:	100
Per Group (for seminars and labs):	100

3. Course Content

Lecture, lab and seminar hour distribution among topics

Topic	Summary of Topic	Lectures (# of hours)	Seminars (# of hours)	Labs (# of hours)
TA work in the assigned course	Activities as per agreement with the course instructor but they should involve conducting contact teaching (seminars, labs) under the supervision of the course lead instructor or designing, coordinating, setting up, supervising, assessing, and giving feedback on selected learning activities (team project, lab experiment, etc.).	20	25	30
Documentation	A PhD student needs to submit and upload to Canvas the TA proposal form, which contains the agreement between a TA and a course instructor, as well as the TA report form, which includes materials from the performed duties and self-assessment exercises.		6	

4. Learning Outcomes

Please choose framework for learning outcomes

Knowledge-Skill-Experience

Knowledge
Students will be able to: Assess the limitations and strengths in the pedagogical expertise and literature related to their specific course or discipline
Students will be able to: Access and contribute to the pedagogical content knowledge of their respective fields or areas.

Skill
Students will be able to: Design or revise pre-course activities, intended learning outcomes, learning activities, feedback, assessment, and evaluation.
Students will be able to: Adjust designs for an English medium instruction context and for students with varying educational and cultural backgrounds.
Students will be able to: Increase the quality and specificity of their self-assessment plan for the future development as TAs or teachers.

Experience
Students will be able to: Internalise their hands-on experience of constructive alignment.
Students will be able to: Articulate the specific challenges of designing or revising pre-course activities, intended learning outcomes, learning activities, feedback, assessment, and evaluation in educational contexts characterised by English-medium instruction for a mixed student cohort both culturally and in terms of educational backgrounds.

Learning outcomes of the course are specified in the steering document of the educational program in accordance with the Federal State Educational Standard on the website in [Education](#) section / Результаты освоения по учебному элементу в соответствии с ФГОС отражены в описании образовательной программы в разделе [Образование](#)

5. Assignments and Grading

Assignment Types

Assignment Type	Assignment Summary	% of Final Course Grade
Report	TA proposal and TA report are required to be filled in the course. The links to the forms are in Canvas.	100

6. Assessment Criteria

Select Assignment 1 Type

Report

Input or Upload Sample of Assignment 1:

Input Sample of Assignment 1

Template for the TA proposal in Canvas

Assessment Criteria for Assignment 1

Template for the TA proposal in Canvas

1. How the course will be improved?

2. What will be developed for the course?
3. What will be presented for the students (lecture, seminar, lab)?

Select Assignment 2 Type

Report

Input or Upload Sample of Assignment 2:

Input Sample of Assignment 2

Template for the TA report in Canvas

1. How the course was improved?
2. What was developed for the course?
3. Instructors assessment.
4. Self-assessment.
5. Assessment by MSc students.

Input or Upload Sample of Assignment 3:

Input or Upload Sample of Assignment 4:

Input or Upload Sample of Assignment 5:

Input or Upload Sample of Assignment 6:

Input or Upload Sample of Assignment 7:

Input or Upload Sample of Assignment 8:

Input or Upload Sample of Assignment 9:

In the next question we ask you to define general categories of the course. What does your course teaches in broad terms?

7. Textbooks and Internet Resources

You can request at most two required textbooks. Additionally, you can suggest up to nine recommended textbooks.

Required Textbooks	ISBN-13 (or ISBN-10)
Richard M. Felder , and Rebecca Brent. Teaching and Learning STEM : A Practical Guide. Jossey-Bass: San Fransico. 2016	9781118925836

8. Facilities

9. Additional Notes

Comments

A course instructor should nominate a PhD student as official Teaching Assistant for the course by sending a letter to Educational Department. Then the PhD student will be administratively enrolled to the Pedagogical Experience course in Canvas after the Drop/Add period and get email with details from Educational Department.

It is highly recommended to join a non-compulsory TAship Training which happens before Terms 1, 2, 3, 4. During the Training participants will have an opportunity to dive into five major topics to learn about

Skoltech educational regulations, Canvas learning management system, classroom equipment, conflict resolution and practical tips from experienced TA colleagues.

More information on the Training is available here:

https://events.skoltech.ru/training_towards_excellence_in_teaching_assistantship?ysclid=ls1m20urxy592332090