

Course Title	Pedagogical Experience (cohorts 2018-2021)
Course Title (in Russian)	Педагогическая практика (годы набора 2018-2021)
Lead 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

Topic	Summary of Topic	Contact Hours: Lectures	Contact Hours: Seminars	Contact Hours: Labs	Non-contact Hours: Student's Independent Study
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.).	19	20	19	19

Topic	Summary of Topic	Contact Hours: Lectures	Contact Hours: Seminars	Contact Hours: Labs	Non-contact Hours: Student's Independent Study
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.				4

## 4. Learning Outcomes

Skoltech Learning Outcomes are indicated as per [Skoltech Learning Outcomes Framework](#).

### 1. FUNDAMENTAL KNOWLEDGE

#### 1.5. SOCIAL AND HUMAN SCIENCES

### 2.1. COGNITION AND MODES OF REASONING

#### 2.1.3. Creative thinking

#### 2.1.4. Decision making (with ambiguity, urgency etc.)

#### 2.1.5. Critical thinking and meta-cognition

### 2.2. ATTITUDES AND LEARNING PROCESS

#### 2.2.1. Initiative and the willingness to take appropriate risks

#### 2.2.4. Resourcefulness, flexibility and an ability to adapt

#### 2.2.6. Development and support of teaching and learning community

### 2.3. ETHICS, EQUITY AND OTHER RESPONSIBILITIES

#### 2.3.2. Social responsibility

### 3.1. COMMUNICATIONS IN INTERNATIONAL ENVIRONMENTS

#### 3.1.1. Communications strategy and structure

#### 3.1.6. Effective interaction in different cultural and international settings

### 3.3. COLLABORATION AND CHANGE

#### 3.3.3. Negotiation and conflict resolution

## 5. Assignments and Grading

Physical Attendance Requirement (% of classes) 100

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

### Assignment 1 Type

Report

### 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)?

### Assignment 2 Type

Report

### 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.

## 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 a 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](https://events.skoltech.ru/training_towards_excellence_in_teaching_assistantship?ysclid=ls1m20urxy592332090)

**The proposed course 1) has explicit academic content and requirements for receiving credits, 2) is in alignment with the program's learning outcomes, 3) adheres to policies and Skoltech regulations.**

Lead Instructor confirms