Name of the	Scienti	fic and	Pedag	ogical A	Activiti	es	
Discipline Samastan(s)	1 2 2 4						
Semester(s) Responsible	1, 2, 3,4	Azimova Dilnoz Ergashevna, Doctor of Philosophy (PhD) in Biological					
teacher	Sciences, Associate Professo		octor c	)1 F11111	osopny	(FIID) III Diological	
teacher	Khamrayeva Nafisa Tirkash		Doctor	of Ph	ilosoph	v (PhD) in Biological	
	Sciences, Associate Professo	-	Doctor	OI III	поворп	y (1 lib) in Biological	
	Ortiqova Lola Soatovna, Do		Philos	ophy (1	PhD) in	Agricultural Sciences.	
	Associate Professor			-17 (-			
Language of							
teaching/learning							
Connection to the	Compulsory						
curriculum							
Forms of	Practical (practice)						
teaching/learning							
Academic	Total work load: 600 hours						
workload	Contact hours						
(including contact							
hours and self-	practical lesson 0 hours						
study)	IWS 0						
	Practice 600 hours						
	Camaastan	1	2	3	1	1	
	Semester  Total workload	1 120	180	120	4 180		
	1 otai workioad	120	100	120	100		
ECTS	20						
Prerequisites							
Discipline	The purpose of the discip	pline is	to acc	quire p	ractical	skills in teaching; the	
objectives /	formation of professional co	ompeter	nce, ma	anifeste	d in th	e readiness to develop	
Learning	models of Biology classes,					account psychological,	
Outcomes	pedagogical and scientific-ma	ethodol	ogical 1	equire	nents.		
	Learning outcomes						
	- the ability to apply metho					n independent research	
	activities, generate and imple						
	- own the methodology of so			_		=	
	the content and level of p solving problems of research	-				ogical problems when	
	- have the skills to use mod					s to solve research and	
	innovation problems;		ommune	on teem	norogie	s to solve research and	
	- the ability to carry out p	edagog	ical act	tivities	in edu	cational institutions, to	
	master and implement effect						
	technologies, pedagogical in						
	- master the techniques and n	nethods	of pers	sonal ar	nd profe	essional development of	
	a teacher-researcher, building	g a prof	essiona	l career	and pe	dagogical ideals, norms	
	and principles of pedagogi	cal and	d scien	itific et	thics, i	ndividual abilities and	
	inclinations, etc.						
Lessons' contents	Content			_			
	1. Current problems of	vocatio	nal ec	lucation	n, inno	vative and scientific-	
	pedagogical activities			1			
	2. Methodology of scientific						
	3.Information and commun	ication	techno	logies	ın scie	ntific, pedagogical and	
	innovative activities						

				движущий фактор развития	
	5.Pedagogy and psychology of higher education				
	6.Management in Education				
	7. Teacher's personal effectiveness				
	8.Innovative approaches and technologies in education				
				t of global challenges and risks	
The exam format		ration of the report and its j			
Teaching/learning		•		ing up the final report, during which	
and examination			-	n order, prepare written reports, and	
requirements		*	ergraduate s	ubmits the following materials:	
		t of the report;			
		idual plan and characterist		_	
		entations of master's maste			
		-		ctivities (practice) is accepted by the	
			- 1	oved order, in the presence of all	
		=		ng the certification, the competencies	
		ific and pedagogical activit	•	stered in the process of carrying out	
Bibliography		<u>i                                 </u>	<u> </u>	олаш бўйича методик тавсиянома:	
Dionography				ссисликлари учун мўлжалланган. —	
		пу, 2010. – 60 б.	ia my iaxa	cenesianciapa y tyti mysikasistatii att.	
			ий талкик	от методологияси. – Т.: "Fan va	
		logiya", 2014. – 512 б.	тадіції	and the first of t	
		= -	Ц. Илмий т	адкикот: методология, методика ва	
				ИИВ Академияси, 2015. – 102 б.	
				step-by-step guide for beginners	
	Sage,	New Delhi, 2011. – 415 p.			
		ифназаров И., Никитч			
		ологияси. – Т.: Янги аср			
				кулов И.Х., Тўракулов У.Х. Илмий	
		<del>-</del>	га 1000 жа	воб. – Т.: Fan va texnologiya, 2019.	
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CRITERIA for evaluating the	T/r	Name of events and tasks	Allocated points	Report form	
tasks performed		Participation in a	pomos	Based on photographs and an	
by students		scientific and		internship diary, the student	
during their	1.	methodological	0-1	participated in a scientific and	
Master's degree	1.	conference dedicated to	0 1	methodological conference dedicated	
scientific practice		practice at the graduate		to internships at the graduate school.	
and research work		school  Roundtable discussion		Based on the photos and practice	
and master's	2.	with the head of their	0-1	diary of the roundtable discussion	
thesis preparation		assigned practice		held	
practice		Familiarization with the		Based on the department's internal	
		internal regulations and		regulations and activities, a reference	
	3.	activities of the	0-1	book, photographs, and a practice	
		department where the		diary.	
				1	
		internship will take place		The analyzed lesson was analyzed	
		internship will take place		The analyzed lesson was analyzed based on the compliance of the lesson	
			0.4	based on the compliance of the lesson	
	4.	Lesson analysis	0-1		
	4.		0-1	based on the compliance of the lesson schedule for that day (based on	

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			form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
5.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
6.	Work with regulatory documents of the head of the attached practice.	0-1	Copies of the practice manager's regulatory documents and the practice diary
7.	Studying the level of equipment of auditoriums	0-1	Based on a certificate, photographs, and a practice diary confirming that the selected classroom is equipped in accordance with the specialty
8.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
9.	Familiarization with regulatory documents of relevant educational areas and specialties, including curricula and programs, and educational and methodological complexes	0-1	Based on copies of regulatory documents of relevant educational areas and specialties and keeping a practice diary.
10.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
11.	Study and prepare a reference book on the specialized education systems of developed countries.	0-1	On the basis of the competition, the education systems of developed countries are studied and a reference book is prepared. Based on the practice diary
12.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
13.	Participate in the development of pedagogical technologies and the preparation of teaching methods in a given subject	0-1	Based on examples of pedagogical technologies and keeping a practice diary.

			Događ on the manager of
14.	Study the process of preparing for a practice leader's lesson.	0-1	Based on the preparation of a reference book and keeping a practice diary in preparation for the lesson process.
15.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
16.	Developing skills in working with educational platforms available at the university (Hemis information system, Main.jdpu.uz)	0-1	Based on screenshots from educational platforms and keeping a practice diary.
17.	Creating an event script and organizing an event on the occasion of the "Teachers and Mentors Day" on October 1	0-1	Based on a prepared and approved event script and photographs based on a specified template
18.	Organize a contest, competition, or event on the "Five Important Initiatives"	0-1	Based on the schedule of organized competitions and competitions, a reference book, photographs, and a practice diary.
19.	Prepare a methodological guide for practical exercises together with the practice leader.	0-1	Based on the electronic form of the methodological manual and the maintenance of a practice diary
20.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
21.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
22.	Preparing assignments on a relevant topic using modern pedagogical technologies	0-1	Based on assignments prepared using modern pedagogical technologies and keeping a practice diary on the relevant topic
23.	Get acquainted with the activities of the clubs available at the department	0-1	Based on the Charter and program of the organized circles and the maintenance of the practice diary
24.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.

_	Working with a		Based on the completed part of the
25.	dissertation	0-1	dissertation and the maintenance of the internship diary
26.	Get acquainted with the activities of the university library, study library activities, and work with available literature.	0-1	Based on the information, photographs, and practice diary about the library activities at the university
27.	Preparing a conclusion on the professor's work with students during the lesson	0-1	Summary of the professor's work with students, photographs, and keeping a practice diary
28.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
29.	Preparing assignments on a relevant topic using modern pedagogical technologies	0-1	Based on assignments prepared using modern pedagogical technologies and keeping a practice diary on the relevant topic
30.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
31.	Studying the maintenance of educational and regulatory established departments the maintenance of educational and documents established in departments	0-1	Based on copies of educational and regulatory documents and keeping a practice diary
32.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
33.	Monitoring and analyzing students' leisure activities	0-1	Keeping a reference book, photographs, and practice diary on the results of observing and analyzing students' leisure activities.
34.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
35.	Creating a script and organizing an event on the occasion of October 21, the day when the	0-1	Based on a specific template and approved event script, photographs, and a practice diary

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	Uzbek language was		
	granted the status of the		
	state language		The analyzed lesson was analyzed based on the compliance of the lesson galadyla, for that day (based on
36	Lesson analysis	0-1	schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
37.	Organizing a survey to determine the relevance of a master's thesis	0-1	Based on the survey conducted and its results, a report, photographs, and a practice diary
38.	Familiarization with regulatory documents of relevant educational areas and specialties, including curricula and programs, and educational and methodological complexes	0-1	Based on copies of regulatory documents of relevant educational areas and specialties and keeping a practice diary.
39.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
40.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
41.	Preparing assignments on a relevant topic using modern pedagogical technologies	0-1	Based on assignments prepared using modern pedagogical technologies and keeping a practice diary on the relevant topic
42.	Organizing a roundtable discussion on internship processes with the internship supervisor and graduate students.	0-1	Roundtable discussion photos and practice diary maintenance
43.	Practical mastery of innovative pedagogical and information and communication technologies;	0-1	Examples of innovative pedagogical and information and communication technologies and keeping a practice diary.
44.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was

45	Working with a dissertation	0-1	based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.  Based on the completed part of the dissertation and the maintenance of
46	Analysis of the literature used in the dissertation	0-1	the internship diary Keeping a bibliography, reference list, and practice diary
47	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
48	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
49	Study and prepare a reference book on the specialized education systems of developed countries.	0-1	The education systems of developed countries are studied on a competitive basis and a reference book is prepared. Keeping a practice diary
50	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
51	Familiarization with regulatory documents of relevant educational areas and specialties, including curricula and programs, and educational and methodological complexes	0-1	Based on copies of regulatory documents of relevant educational areas and specialties and keeping a practice diary.
52	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
53	Organizing an open lesson	0-1	Based on the materials of the open lesson held (announcement, presentation, handouts and visual aids) and the practice diary.

			The analyzed lesson was analyzed
54.	Lesson analysis	0-1	based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
55.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
56	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
57.	Create presentations, tests, and questions on a relevant topic	0-1	Based on a presentation developed in a prescribed manner, 20 tests and 20 questions, and keeping a practice diary.
58.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary.
59.	Creating a scenario and organizing an event on the occasion of the adoption of the national flag of the Republic of Uzbekistan on November 18	0-1	Based on a specific template and approved event script, photographs, and a practice diary
60.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
61.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
62.	Analysis of the literature used in the dissertation	0-1	Based on the list of literature, reference list, and practice diary
63.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary

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64.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
65.	Organizing an open lesson	0-1	Based on the materials of the open lesson held (announcement, presentation, handouts and visual aids) and the practice diary.
66.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
67.	Studying the maintenance of educational and regulatory established in departments	0-1	Based on copies of educational and regulatory documents and keeping a practice diary
68.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
69.	Preparing assignments on a relevant topic using modern pedagogical technologies	0-1	Based on assignments prepared using modern pedagogical technologies and keeping a practice diary on the relevant topic
70.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
71	Get acquainted with the activities of the clubs available at the department	0-1	Based on the Charter and program of the organized circles and the maintenance of the practice diary
72.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
73.	Organizing the intellectual game "Intelligence"	0-1	A plan for organizing an intellectual game based on a plan, script, photographs, and a practice diary

74.	Analyze the work completed during the internship process during the semester together with the internship supervisor	0-1	Based on the prepared report, photographs, and practice diary on the work carried out during the semester
75.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
76.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
77.	Creating a scenario and organizing an event on the occasion of the adoption of the Constitution of the Republic of Uzbekistan on December 8	0-1	Based on a specific template and approved event script, photographs, and a practice diary
78.	Organizing an open lesson	0-1	Materials related to the open lesson held (Announcement, presentation, handouts and visual aids) and keeping a practice diary.
79.	Creating a scenario for an event dedicated to the adoption of the National Anthem of the Republic of Uzbekistan	0-1	Event script, photos, and practice diary maintenance
80.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
81.	Applying the methodological part of the master's research into practice	0-1	Maintaining approved regulatory documents and practice logs
82.	Organizing a roundtable discussion on internship processes with the internship supervisor and graduate students.	0-1	Roundtable discussion photos and practice diary maintenance
83	Get acquainted with the activities of the university library, study	0-1	Universitetdagi kutubxona faoliyati to'g'risida ma'lumotnoma, fotolavhalar hamda amaliyot

	library activities, and work with available literature.		kundaligining yuritilishi asosida
84.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
85.	Organizing an open lesson	0-1	Materials related to the open lesson held (Announcement, presentation, handouts and visual aids) and keeping a practice diary.
86.	Preparing assignments on a relevant topic using modern pedagogical technologies	0-1	Based on assignments prepared using modern pedagogical technologies and keeping a practice diary on the relevant topic
87.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
88.	Lesson analysis	0-1	The analyzed lesson was analyzed based on the compliance of the lesson schedule for that day (based on information from the Hemisdan information system), the analysis was based on a sample lesson analysis form, and the presentation, visual aids, handouts, photographs, and the maintenance of a practice diary were included.
89.	Working with a dissertation	0-1	Based on the completed part of the dissertation and the maintenance of the internship diary
90.	Preparing a conclusion on the completion of operational processes	0-1	Summary prepared by the graduate student and keeping a practice diary
91	The master's student's compliance with the university's internal regulations and activity during the internship.	0-10	Based on a confirmed registration
Note			

## **Note:**

- 1. Assignments are prepared in handwritten form and are approved by the student with a signature on each page.
- 2. The assignment is prepared based on a prescribed sample and approved by the relevant authorities.
- 3. Completed assignments will not be evaluated if they do not meet the assessment criteria.