

Module name:	Biophysics and Radiology
semester will read:	2
Teachers:	Koziyeva Sahobat Uktamovna, Doctor of Philosophy (PhD) in Biological Sciences, Associate Professor
Language:	Uzbek
Educational connection with the plan:	RDB302
Work load:	Total workload: 180 hours Contact hours – Lecture: 30 hours practical: 30 hours SsIW: 120 hours
Credit points:	6
of submitting the exam terms:	subject to at least 100 points on the exam access given to the masters must collect 50 points.
Recommended conditions:	this module of undergraduate masters “Radiobiologiya” module is based on taking the knowledge of studying.
Expected learning outcomes:	<p>Know: Radiobiologiya science the content of the program, technologies to be implemented in the educational process of their education and the education system of modern trends, credit modules in your system to be implemented in the educational process, and the digitization of the educational process oliy education in the mechanisms of the formation of the modern system of evaluation of the activities of teachers about the use of them to take</p> <p>the skills to be able to: subject specialist teaching in higher and secondary special institutions of general secondary education and the basic principles and features of previous sessions holding effective meetings uniqueness; independent work of masters independent learning and organizational forms and methods; methods of educational activities in the development process; education in the process of getting self-nurturing to get the structure of the program; and its requirements to the professional preparation of teachers in modern conditions; the concept of the quality of the educational process of institutions of higher education; education, providing quality factors; methods of assessment of the quality of education; the education system on the monitoring of knowledge and skills should be able to</p> <p>The show: based on the experiences of research activities including the conduct of foreign scientific work. Radiobiologiyada</p>
Ingredients:	<p>Radiobiologiya the fan o‘goal from qitish – o of the living cell at the molecular level‘using rga, and the cells on the basis of general biological problems makromolekulalar taffakkur requires masters to take to and from the logical solution. Ko‘rsat on the basis of logic was this area that is a whole science of the biology of different creatures in the same process occur toe radiobiologik‘lish to prove the physical– chemical masters to understand that side of it.</p> <p>The function of science - science deep o‘medicine, as well as theoretical knowledge with practical mashg‘ulot the uyg‘perform without unlashtirilgan.</p>
Form of exam:	a comprehensive exam, including: Radiobiologiya -written
Technical/multimedia:	Multimedia proyektor, the interactive device, computer equipment, laboratory equipment.

Literature:	<p>1. Rubin A.B. A. Uchebnik v 2 x knigax. M. Visshaya shkola, 2000. 1. – 448 b.2.- 467 b.</p> <p>2. Antonov V.F. A Chernish.M. Pasechnik.V.I. Arkhangelsky S.A. In Your Kozlov E. K. A, and not by 2000.287 b.</p> <p>3. A Remizov.N. Medical and biological physics. Tashkent. Ibn-Sina publishing, 1992.615 b.</p> <p>4. Kosyuk P.G. I dr. A. Uchebnik. Kiev, Vishnu. shkola, 1989.</p> <p>5. Vladimirov Yu.A. I dr. A. Uchebnik. M. Medisina, 1983.</p> <p>6. Volkenshteyn M.V. A. Uchebnoe posobie. M. Nauka, 1983.</p> <p>7. Qosimov M.M. A theoretical basis. Tashkent University, 2006, 220 b.</p> <p>8. E. Held N. Mamatkulov Country. Khodjaev, Q.Norboev, and a radiobiologiya, Praise-standard publishing house, Tashkent-2018.</p> <p>9. Bazarbayev i. m., and i. Mullajonov other. A Textbook. Tashkent. 2018</p> <p>10. Qosimov M.M. From a practical mashgulot are. Tashkent, Univer - site, 1992.</p> <p>11. Konev S.V., I Volotovskiy.D. Fotobiologiya, Minsk, BG, 1979.</p> <p>12. Antonov V.F. I dr. I ionnaya pronitsaemos'lipid membrane. M., Nauka, 1982.</p> <p>13. academy.uz.</p> <p>14. www.edu.uz.</p> <p>15. www.google.uz.</p> <p>16. www.gov.uz.</p> <p>17. www.plantprotection.com</p> <p>18. www.uky.edu/Ag/Entomology/ythfacts/entyouth.htm.</p> <p>19. www.toucansolutions.com/pat/insects.html.</p> <p>20. http://www.bio.pu.ru.</p>
Scope of assessment criteria and procedure	<p>CURRENT CONTROL</p> <p>Purpose: Determining and assessing the master's level of knowledge, practical skills, and competencies on course topics.</p> <p>Instructions: The master's activity in daily classes is assessed through the master's mastery of course topics, as well as constructively interpreting and analyzing the educational material, developing module-specific skills, acquiring practical skills (in terms of quality and the specified number) and competencies, solving problem situations aimed at applying professional practical skills, working in a team, preparing presentations, etc.</p> <p>Current control form:</p> <ul style="list-style-type: none"> Activity in lessons Preparing educational materials Working with sources within the subject Using educational technologies Working in a team Preparing presentations Working with projects <p>INTERMEDIATE CONTROL</p> <p>Purpose: Assessing the master's knowledge and practical skills and level of mastery of lecture material after completing the relevant section of the course.</p> <p>Form and procedure of intermediate control: Midterm examination is held during the semester during the training sessions after the completion of the relevant module of the curriculum of the subject. Midterm</p>

examination is held once in written form within the framework of this subject. Midterm examination questions cover all topics of the subject.

Independent learning:

Purpose: Independent learning is aimed at fully covering the content of this course, expanding the theoretical knowledge acquired, and establishing independent learning activities for masters.

Form and procedure of independent education: Independent work assignments are completed in the form of an educational project, presentation, case study, problem solving, information search, digest, colloquium, essay, article, abstract, etc.

Completed assignments for independent study are placed in the electronic system and checked based on the anti-plagiarism program and evaluated by the subject teacher.

In this case, the uniqueness of the completed assignment should not be less than 60%, otherwise the assignment will not be accepted for assessment.

The number of independent work assignments, depending on the nature of the subject, should not be less than 3 for one subject (module).

Independent work assignments account for 60% of the points allocated for current and intermediate control.

Independent learning task 1: Preparation of project work based on independent learning topics

Independent learning task 2: Preparing sample video lessons based on specialized subject topics.

Independent learning task 3: Preparation of open lesson plans in specialized subjects using interactive methods.

Independent learning task 4: Analysis of educational normative documents for specialized subjects and preparation of presentations.

FINAL CONTROL

Purpose: The final examination is held at the end of the semester to determine the level of mastery of the master's theoretical knowledge and practical skills in the relevant subject. The final examination is held at a specified time according to the examination schedule created by the Registrar's Office on the electronic platform.

Requirements: The master must have passed the current control, intermediate control and independent learning assignments by the deadline for the final control type in the relevant subject.

A master who has not passed the current control, intermediate control and independent learning assignments, as well as who has received a score in the range of "0-29.9" for these assignments and control types, is not included in the final control type.

Also, a master who has missed 25 percent or more of the classroom hours allocated to a subject without a reason is excluded from this subject and is not included in the final control type and is considered not to have mastered the relevant credits in this subject.

A master who has not passed or was not included in the final control type and has received a score in the range of "0-29.9" for this type of control is considered to be an academic debtor.

Final control form: The final examination in this subject will be conducted in written form.

If the final examination is conducted in written form, the requirements for assessment must also be reflected.

Criteria for assessing master knowledge	5 stars	100 points		Evaluation criteria		
	5	90-100	Excellent	When a master is considered to be able to make independent conclusions and decisions, think creatively, observe independently, apply the knowledge he has gained in practice, understand, know, express, and narrate the essence of the subject (subject), and have an idea about the subject (subject)		
	4	70-89,9	Good	When the master is considered to be able to observe independently, apply the knowledge he has gained in practice, understand, know, express, and narrate the essence of the subject (subject), and has an idea about the subject (subject)		
	3	60-69,9	Satisfactory	When the master is found to be able to apply the knowledge he has gained in practice, understands, knows, can express, and narrate the essence of the subject (subject), and has an idea about the subject (subject)		
	2	0-59,9	Unsatisfactory	When it is determined that the master has not mastered the science program, does not understand the essence of the science (subject), and does not have an idea about the science (subject)		
Course evaluation criteria and procedure	Control type		Total points allocated	Control (task) form	Distribution of points	Qualifying score
	Current control	30 points		System tasks	20 points (divided by the number of tasks)	18 points
				Master activity (in seminars, practical, laboratory classes)	10 points	
	Intermediate control	20 points		Supervision: Written work	10 points	12 points
				System tasks	10 points (divided by the number of tasks)	
	Final inspection	50 points		Written assignment (5 questions)	50 points (10 points per question)	30 points

	<p><i>* Note: 60% of the points allocated for current and intermediate control are allocated to independent work assignments. Independent work assignments are evaluated as system assignments through the electronic platform.</i></p>	
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