Module name:	**Information Technologies in Education**
Semester(s) in which the discipline is taught	5
Module responsible for:	A. Begbo'tayev – JDPU, acting associate professor of the department of "Informatics and digital educational technologies", doctor of philosophy in pedagogical sciences (PhD)
Language:	Uzbek
Educational connection with the plan:	351TATM04
Work load:	Total workload: 150 hours Contact hours Lectures 30 hours Practical sessions 30 hours Self-study 90 hours
Credit points:	5
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 builds on the knowledge acquired by undergraduate students in the "Informatics" modules.
Expected learning outcomes:	To provide students with theoretical knowledge in the field of information technology in education, to develop the skills to correctly select the software tools necessary to solve problems in their professional activities, to solve problems based on the knowledge gained, and to independently use modern software tools.
Ingredients:	1. The role and capabilities of information and communication technologies in education. 2. Presentation technology and methodology for its use in lessons. 3. Creating pedagogical software tools. 4. Digital educational resources. Electronic educational resources used worldwide. 5. Methodology for using information technologies in assessing knowledge, organizing control work and implementing a monitoring system. 6. Using the capabilities of virtual educational technologies. 7. Working with multimedia textbooks. 8. Processing audio and video materials in the development of educational resources. 9. Using Internet technologies in education 10. Cloud technology. 11. Distance education management system - creating a course for teaching Foreign Language and Literature in the HEMIS system and working with users. 12. SMART-education and interactive educational tools in the educational process
form Exam:	Submit a written assignment (test or oral question and answer).
Technical/multimed	Multimedia proyektor, the interactive device, computer technique.

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Literature:	Main literature 1. Boqiyev R., Mirzakhmedova N., Primkulova A. Informatics. Textbook. T.: TDPU, 2016. – 200 p. 2. Rikhsiboyev T., Rikhsiboeva Kh., Tursunov S. Computer graphics. Textbook. Tashkent: “Wing of thought”, 2018. – 304 p. 3. Tursunov S., Nazarov I. Information technologies in education. Textbook. Tashkent: “Sparks of literature”, 2019. Volume 1, – 262 p. 4. Tursunov S., Nazarov I. Information technologies in education. Textbook. Tashkent: “Sparks of literature”, 2019. Volume 2, – 300 p. 5. Abdukodirov A.A., Tursunov S.Q. Information technologies in education. Textbook. – Tashkent: “Sparks of Literature”, 2019. – 224 p. Additional literature 6. R.A.Dadabayeva, N.Kh.Shoakhmedova, L.T.Ibragimova, Sh.T.Nasridinova, Sh.T.Ermatov. 7. “Information and communication technologies and systems” Textbook “Sano-standard” publishing house Tashkent 2017. 8. A.T.Kenzhabayev, M.M.Ikramov, A.Sh.Allanazarov .”Information and communication technologies” Textbook “Publishing house of the National Society of Philosophers of Uzbekistan” Tashkent 2017. 9. M. Tokhtasinov. “Process research” Textbook for students of applied mathematics and computer science and information technologies. “Barkamol fayz media” publishing house Tashkent- 2017.
Scope of assessment criteria and procedure	**CURRENT CONTROL** **Purpose:** Determining and assessing the master's level of knowledge, practical skills, and competencies on course topics. **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. **Current control form:** Activity in lessons Preparing educational materials Working with sources within the subject Using educational technologies Working in a team Preparing presentations Working with projects **INTERMEDIATE CONTROL** **Purpose:** Assessing the master's knowledge and practical skills and level of mastery of lecture material after completing the relevant section of the course. **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 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:** ndependent 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	Excel lent	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
**** 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.