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POSSIBILITIES OF USING MODERN SHOOTING TRAINERS IN TEACHING THE SCIENCE OF SHOOTING TRAINING

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ANNOTATION

The article discusses the opportunities of using the modern fire repower training techniques through teaching to the learners in the subject of fire repower training.

KEY WORDS: ***shooting preparation, the teaching technology of interactive fire repower training with model.***

Annotatsiya: Ushbu maqolada ta’lim oluvchilarga o‘q otish tayyorgarligi fanini o‘qitishda zamonaviy o‘q otish trenajyorlarini qo‘llash imkoniyatlari ilmiy jihatdan tahlil qilingan.
Kalit so‘zlar: otish tayyorgarligi, interaktiv o‘q otish turi, modulli o‘qitish texnologiyasi.

Аннотация: В данной статье научно анализируется возможности использования современных стрелковых тренажёров в обучении слушателей предмету огневая подготовка.
Ключевые слова: огневая подготовка, виды интерактивного обучения, модульная технология обучения.

It is rare to find a person who has not read or heard about the fighting potential of our ancestors, the fighting style and courage, or has not seen in the movies. We have often heard the saying about archery that "he could shoot a bow arrow through the ring from forty miles". Continuation of ancestral traditions in our armed forces is one of today's demands and one of the most urgent topics.

The right of a military serviceman to use a firearm is stipulated in the relevant legal documents, therefore shooting training for cadets of higher military educational institutions is one of the leading educational subjects, and in the future military servicemen will effectively solve their service and professional tasks. is aimed at doing.

Effectiveness in mastering this science can be achieved only in conditions of regular practical training.

The ability to use electronic equipment and simulators to practice shooting readiness, the ability to quickly prepare the weapon for combat and the technique of firing the first shot, the correct grip and aiming, regular practice of shooting exercises, shooting without a bullet, shooting errors and elimination of delays, all this is provided for in the manual for the organization of firing training.

The use of modern interactive laser shooting ranges serves to improve the quality and efficiency of training of firearms, saving resources and funds while increasing the level of formation of professional skills of students related to the use of firearms. Electronic shooting simulators should be classified as "didactic equipment" that allows not only to simulate the process of live shooting, but also to bring the situation of using weapons as close as possible to the future professional activities of military personnel.

The technical capabilities of interactive laser beams are widely used in shooting training. Laser simulators allow you to perform all the main actions of shooting exercises: working in pairs, supporting partners and fighting to the last shot, quickly removing the weapon from the storage and putting it in a combat position, aiming and pressing the trigger. It is important for the learner to have the opportunity to independently control his actions and efficiency, analyze his mistakes, while providing the possibility of the teacher's intervention at any stage of the exercise. The use of interactive simulators makes shooting training visual and interesting, and significantly increases the motivation of students.
Video projection equipment of electronic gunners allows creating images of targets on the screen in certain situations. The target characteristics of targets are set by the user. In addition to the static behavior of targets, it is also possible to

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adjust their movement parameters: target rotation (from front to side, in random order), target drop (after hitting the target, it drops from vertical to horizontal), target lift (raising the target from horizontal to vertical position). The shooter fires a laser gun, the monoblock camera receives the laser point and transmits relevant data to the computer to evaluate the effectiveness of the shot.

The software allows you to perform speed and accuracy analysis and print the results not only for each shot, but also for a collection of shots. The video plot constructor allows you to simulate the scenarios of performing tactical actions using firearms, which helps students to perform exercises of various levels of complexity in individual and group exercises that maximally simulate real conditions to solve professional professional situations.

The use of interactive simulators in shooting training of military personnel is organized step by step on the basis of modular technology. The team of the department has developed special exercises in order to increase the effectiveness of shooting training of students[4]. The advantages of the interactive shooting range are the wide range of possibilities for modeling these situations, the presence of changing situations, the position of the target and its distance to it. Pedagogical experience shows that the results of shooting in simulators usually produce better indicators than the results of similar exercises on the range. This can be explained by the absence of fear associated with shooting and the minimization of psychological factors of negative impact. The use of an interactive simulator allows you to train shooting skills in accordance with the shooting technique without the use of ammunition. In the early stages of training, the use of electronic shooting devices and devices allows you to quickly master the technique of correct aiming, correct breathing and optimization of the trigger.

The results of modern research show that using the capabilities of an interactive laser range almost doubles the effectiveness of high-speed selective fire training on emerging targets[2], reduces fear and learning to shoot and minimizes the mistakes in pressing the trigger [1], improves the quality of shooting training of cadets [5]. Despite the fact that the performance of interactive shooting at a short distance is significantly higher compared to shooting at a long distance from the target, the latter corresponds better to the results of control exercises carried out on the test site at ranges [3].

The preliminary results of the use of technical equipment and simulators in the training of shooting ability of military personnel allow us to draw the following conclusions:

Training with the use of interactive shooting range on the eve of shooting exercises helps trainees to successfully master the conditions, techniques and rules of shooting, which subsequently leads to an increase in the effectiveness of exercises during shooting. will come; the use of interactive simulators ensures the creation of conditions for the use of firearms as close as possible to real situations of professional activity; Undoubtedly, the capabilities of interactive simulators are significantly higher than the capabilities of traditional tools and equipment used by cadets in shooting training. cannot replace shooting.

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