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METHODOLOGY FOR ORGANIZING DRAWING GEOMETRY LESSONS IN AN AUTO CAD GRAPHICS PROGRAM

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Annotation:
This article details the methodology for organizing drawing geometry lessons through the AutoCAD graphics program, the use of lectures and practical workshops in engineering graphics subjects on the basis of advanced information technology, and the perfect mastering of modern graphics programs.

Keywords: drawing geometry, AutoCAD, graphical application, detail, practical workshops.

(Matthew 24:14; 28:19, 20) We all know that due to the accelerating requirements of technology and information technology, there are great opportunities to achieve the effectiveness of the complex processes that are taking place in teaching engineering graphics in a short period of time, but the issue of properly and fully using its capabilities in the teaching process and proper organization is not as heartwarming as it is.

Analysis

The use of lectures and practical workshops in engineering graphics on the basis of modern information technology will enable a teacher to improve his or her effectiveness in achieving the goal and achieve his or her goal. Students should be able to master drawing and drawing geometry, first of all, to read, perform drawings, collect graphical information, and to draw charts.
Engineering graphics tells us that the first gallery depicts an image created by a constructor or researcher about a technical device or model of a process in a certain direction on paper. Even if these images are based on a straight-angle projection method, it is performed manually in the form of a sketch without the help of drawing tools. It is practically impossible to draw it directly on the basis of specific dimensions, because it is only an idea.

Results

The structure of the device by images, the principles of its operation will be discussed and certain adjustments will be made. It is noteworthy that in some cases, details are prepared directly by sketches in manufacturing sectors. Therefore, the sketch should reflect all the information provided in the detaining workshop because the sketch evaluates projection links, such as the work drawing, the preservation of the ratios between the parts of the detail described, and the integrity of its inner and outer appearances, its adequacy to accurately imagine and produce it. This leads to its production at a precision level. Sketches are also used to perform its drawings, depending on the initial design of objects and details, as well as the details in repairs. Sometimes its visual image, known as a "technical picture", based on acconometric projections, is also performed, as the technical image is performed manually without the help of drawing tools.

Discussion:

The original dimensions of the detail are performed using measuring instruments and taken to the sketch. These suggest that to perform a sketch or technical image, you will need to have certain skills and skills to manually execute images of a straight line, circle or ellipse without the help of drawing tools. When sketches are performed on the basis of computer-installed drawing software, if a three-dimensional model is used, the sketch and the technical image are performed parallel at the same time. Now, based on modern advances, this process is carried out on a computer using the -AutoCAD program.

Students develop a certain skill in implementing deductive and inactive methods of knowledge. This will help improve the effectiveness of education by performing students' graphical work using the AutoCAD graphics program at new standards and international standards. The student will also be able to creatively develop his or her creative activities in this process.

Conclusion:

Instead, it can be said that perfect mastering of modern graphical applications provides opportunities to find and develop its acceptable methods. This serves as an important tool for the use of computer technologies in teaching and its application in practical work activities.

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