



AUTOMOBILE STRUCTURE SCIENCE - THE FIRST STEP IN THE STUDY OF PROFESSIONAL SECRETS

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Abstract

The article gives an idea of the effectiveness of teaching the science of automotive engineering. Areas of study in the field of automotive engineering are listed.

Keywords: Vehicle, engine, crankshaft, gas distribution, cooling, lubrication, gasoline, diesel and injection systems, clutch, gearbox, steering and brake control of the vehicle.

Introductoin

The training of future professionals in the profession they occupy is based on the theoretical and fundamental sciences of curricula and study programs, which are inextricably linked with the development.

The science of automotive engineering provides students with in-depth knowledge in the field of vehicle engineering, shapes and enhances their quality.

In order to gain a deeper understanding of the importance of fundamental sciences in the training of mechanical engineers, their impact on the science of "Automotive Structure" is highlighted and, where required, addresses the issues of technological processes. At the same time, in some places, general sciences are used to solve practical, technological and engineering problems.

The convergence of general and engineering problems in special disciplines theoretically strengthens the knowledge of engineers and achieves good results in solving them based on the achievements of fundamental sciences in production.

The science of automotive engineering as a science in higher education studies the general structure of automobiles and engines, engine crankshaft, gas distribution, cooling, lubrication, gasoline, diesel and spraying systems, clutch, transmission, steering and brake control.





The science of automotive design is the main science, the basis for the formation of design, technological and production knowledge and skills in the training of specialists in this field serves as. A student who has fully mastered this subject, will work as a mature specialist in the field of vehicle engineering, will have the opportunity to constantly improve their knowledge in this area.

At present, special attention is paid to providing the national economy with highly qualified and knowledgeable specialists, and a plan to provide industry with specialists is being implemented.

Higher education takes into account the rapidly growing demand and future of the industrial sector of the Republic. To do this, teams working in the field of education, in particular, meet the following conditions of education:

- Excellent knowledge of the science of car construction;
- To love their profession and instill in students a love for their profession;
- Practice testing of lessons and organization of lessons in accordance with the requirements of the time;
- Adhere to provide in-depth knowledge to students.

As soon as students enter the university, they must patiently and diligently master the secrets of the sciences in their chosen fields and specialties.

The science of automotive engineering is organized in order to psychologically prepare students for further study, to develop creative thinking, professional skills and abilities, to educate them in the spirit of love for their chosen profession and is conducted by professionals with sufficient work experience.

The subject "Automotive Engineering" aims to strengthen the knowledge of future professionals, to form and develop professional skills and abilities, to increase organizational skills in the team.

This subject serves as a link for students to fully understand the laws and principles of education and upbringing, to acquire professional skills and abilities, to gain practical experience, to acquire scientific and theoretical knowledge of the student and to work independently in enterprises in the future.

In the process of teaching science, conditions are created for the enrichment of the student's creative power.

The effectiveness of the subject "Automotive Engineering" in many respects depends on the independence and activity of the student, his creative approach to work. It is during this period of study that the student will have an initial practical understanding of the major subjects to be covered in subsequent seasons.

In order to hold lectures at a high level, it is necessary to pay attention to the following;





- Experience of special disciplines should be carried out by a teacher with the appropriate basic knowledge;
- A teacher with at least 5 years of teaching experience;
- The use of experienced enterprise specialists in practical classes;

In general, the subject of "Automotive Structure" has a role in the formation of future bachelors in the field of technology as a person with high spirituality and intellectual potential.

The effectiveness of teaching this subject, in a sense, depends on how it is organized and highly prepared.

It is necessary to use educational technologies more widely in the process of teaching science. Educational technologies developed for each topic should include information materials on the conditions of training, pedagogical goals, objectives and intended results, training plans, teaching methods and tools.

Today, the world experience shows that new, modern methods and tools of teaching are being introduced in the educational process and are being used effectively. In conclusion, it should be noted that the teacher should not remain the only source of knowledge, but students should become the organizers of the process of independent work. Only then will we be able to fulfill our task of training qualified personnel.

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