8D08702 - “Energy supply for agriculture”

Be able to:

-to popularize the achievements of modern science and technology for different audiences.
-application of energy saving methods in technological processes of agricultural production;
-analysis of energy consumption and development of technical solutions to improve the energy efficiency of production.
-analysis and control of current parameters in control and monitoring automation systems;
-to analyze the physical processes occurring in the elements of electric power systems during the transition from one mode to another. In the preparation of methods for their calculation and analysis. To determine the conditions of stability of electric power systems.

To know and understand :

- modern directions of experimental research activities in the field of process modeling in energy devices and systems -the basic principles of energy saving in an electric drive, the ability to justify the parameters of an energy-saving drive and control system, the ability to develop modern control systems for technological equipment
- - methods of analyzing indicators of the quality of agricultural energy supply and the ability to substantiate energy supply systems for agricultural consumers using local energy resources;

Be competent in matters of:

-in the field of experimental research methodology;- in matters of innovative technical and technological productions in all industries, including agriculture;
- in the field of technical, economic and environmental analysis of installations and systems;
-in carrying out experimental research in the professional field.