

## ANNOTATION OF THE EDUCATIONAL COMPONENT

### **Testing of auto-tractor equipment**

Status	Selective
Department	Agroengineering
Teacher	Shuliak Mykhailo Leonidovych, Doctor of Technical Sciences, Professor
Contact information	Classroom 223m Consultation hours are every Monday from 10:00 to 12:00, e-mail: <a href="mailto:m.l.shulyak@gmail.com">m.l.shulyak@gmail.com</a> Web- page: <a href="https://itf.snau.edu.ua/kafedri/ai/sklad-kafedri-ai/mixajlo-shulyak/">https://itf.snau.edu.ua/kafedri/ai/sklad-kafedri-ai/mixajlo-shulyak/</a>
Course objective	Obtaining the necessary knowledge by future specialists on the basics of testing equipment, the basics of theory and practice, and the analysis of the operation of tractors and automobiles for their effective use in agricultural production.
Main tasks	When studying the educational component, it is planned to study the general structure of devices for testing equipment, the features of their operation, the basics of the theory and practice of testing, parameters, operating modes of tractors during testing, their technological adjustment and evaluation of the quality of work.
As a result of studying the discipline, the student should know	<p>As a result of studying the discipline, the student should</p> <ul style="list-style-type: none"><li>- basics of testing equipment;</li><li>- types and conditions of testing cars and tractors;</li><li>- basics of theory and practice of analyzing the operation of tractors and cars;</li><li>- rules and techniques for forming technical and working documentation;</li><li>- principles of planning and processing experimental results</li></ul>
be able to	<ul style="list-style-type: none"><li>- solve complex specialized tasks and practical problems;</li><li>- conduct tests of mechanisms and systems of tractors, mobile agricultural machines to ensure their operation with proper productivity and economy;</li><li>- analyze operational indicators, substantiate the main operating parameters of tractors, cars and assembly units;</li><li>- independently study new tractors and cars and the advantages of using them in agricultural production</li></ul>