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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationUNDERGRADUATE ACADEMIC STUDIES *AGROINDUSTRIAL ENGINEERING* |
| **Table 5.2B Working Practice** |

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| Course: | **Working Practice** |
| Course id:3ОАИ5П21 |
| Number of ECTS:3 |
| Teacher: | Prof. Dr Milan Tomić |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: | Practical classes: | Other teaching types:60 hours per year | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

The aim of the course is to train students to work effectively with workshop tools, machines and equipment for the repair and maintenance of technical systems. |
| 1. Educational outcomes

Mastering practical methods for solving problems in the field of repair and maintenance technical systems and raising the level of knowledge in this field. |
| 1. Course content

Theoretical classesNoPractical teaching: Exercise, Other modes of teaching,Introducing students to the measures of protection at work, PPZ and PEZ measures. Working with workshop tools. Working with workshop machinery and equipment. Production of spare parts. Welding and soldering parts. Thermal processing of materials. Disassembly, repair and installation of elements of technical systems and equipment. Production and repair of measuring instruments and equipment. Introducing the factory production of spare parts, machines and equipment. |
| 1. Teaching methods

Demonstrations and direct practical work. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Lecture attendance | No |  | *Oral part of the exam* | Yes | 30 |
| Test | No | 30 |  |
| Exercise attendance | Yes | 30 |
| Diary of practice | Yes | 30 |  |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
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| Course: | **Manufacturing Practice** |
| Course id: 3ОАИ6П28 |
| Number of ECTS: 4 |
| Teacher: | Anđelko M. Bajkin, PhD, Full professor |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures:  | Practical classes:  | Other teaching types: 60 hours per year | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

The aim of the course is that students are working with machine tools for metal and nonmetal processing, order to produce the elements using technical drawings. |
| 1. Educational outcomes

Ability of students for independent work as engineers in the mechanical workshop in organization affairs metal processing and assembly of manufactured parts. |
| 1. Course content

*Theoretical classes:* None.*Practical teaching: Exercise, Other modes of teaching,*The correct reading of technical drawings, workshop and switching in terms of dimensional and tolerance angle and characters. Creating a simple machine parts according to technical documentation using machine tools and equipment for metal and nonmetal processing. Checking the accuracy of making use of the devices. Works on the installation, quality of installation. |
| 1. Teaching methods

Demonstrations and direct practical work |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
|  |  |  | Oral part of the exam | Yes | 40 |
| Exercise attendance | Yes | 30 |  |
| Term paper | Yes | 30 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
| 1. |  |  |  |  |
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| Course: | **The Technological Organization Practice** |
| Course id: ZOAI8P36 |
| Number of ECTS: |
| Teacher: | Branislav A. Karadžić |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: | Practical classes: | Other teaching types:60 hours per year | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Application of knowledge in the field of technical and technological sciences in agro-industry.Introduce students to the technological processes in agro-industry: technology, processing of agricultural products, processing equipment, its operation of equipment, construction equipment, manufacturing and installing equipment. Training students to the design and management of technical systems in the agro-industrial systems. |
| 1. Educational outcomes

The formation of academic education experts who possess engineering knowledge to work in industrial plants processing of agricultural products, the business management and control of certain technological operations or complete the finishing process, the independent construction of process equipment, design of technological processes in agro-industry and organization of work on the installation of process equipment. |
| 1. Course content

Introducing students with modern technological equipment and procedures applicable to the processing of agricultural products. Introducing the processing of primary products of agricultural production; farming, vegetable, perennial crops and livestock. Introduction to the construction of process equipment, design of technological processes in agro-industry and organization of work on the installation of the equipment. Training for control of technological processes processing of agricultural products and related process equipment. Engineering work in industrial plants processing of agricultural products, the business management and control of certain technological operations or complete the finishing process. |
| 1. Teaching methods

Practical classes. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Lecture attendance | No | - | Oral part of the exam | Yes | 30 |
| Test | No | - |  |
| Exercise attendance | Yes | 40 |
| Term paper | Yes | 30 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
| 1. | Documentation of machines, devices and equipment. Appropriate guidelines for the design and use. |