

Study Programme: Clothing engineering
Course Unit Title: Technological processes of clothes cutting
Course Unit Code: DAS002
Name of Lecturer(s): Assistant professor Ineta Nemeša, PhD
Type and Level of Studies: Theoretical and methodological
Course Status (compulsory/elective): Compulsory
Semester (winter/summer): Winter
Language of instruction: English
Mode of course unit delivery (face-to-face/distance learning): Face-to-face
Number of ECTS Allocated: 4
Prerequisites: Doesn't have
<p>Course Aims:</p> <p>Acquiring knowledge about the importance of proper use of adequate machines and devices during tailoring, as well as the importance of interphase control during tailoring.</p>
<p>Learning Outcomes:</p> <p>Students are trained to establish the correct organizational and technological conception of the modern technological process of clothing tailoring, as well as for the adequate application of production procedures of tailoring materials for the production of clothing in accordance with production requirements. Students master the technological characteristics and types of machines in the technological processes of clothing tailoring</p>
<p>Syllabus:</p> <p><i>Theory:</i> Preparation for Cutting. Layering of cutting layers in cutting stacks. Types of laying cutting layers. Types of cutting stacks. Methods and machines for laying cutting layers. Manual laying of cutting layers. Mechanical laying of cutting layers. Semi-automatic laying of cutting layers. Automatic laying of cutting layers. Placing cutting patterns on cutting stacks. Cutting out cutting stacks. Hand-guided machines for cutting using steel blade cutters. Electric or pneumatic shears. Machines with rotating blades. Machines with striking blades. Machines with endless blades. Computer-controlled units. Units with oscillating blade action. Units with rotating discs. Units with laser beams. Analysis of the importance of machines and devices in the technological process of clothing cutting in accordance with technological requirements. Technical parameters of frontal fixation; marking clothing parts, assembling bundles, implementing final quality control processes.</p> <p><i>Practice:</i> Through exercises, students process specific examples from the technological processes of clothing tailoring.</p>
<p>Required Reading:</p> <ol style="list-style-type: none"> 1. D. Rogale, D. Ujević, S.F. Rogale, M. Hrastinski; Clothing manufacturing processes; Textile-Technological Faculty, University of Zagreb; 2011. 2. D. Rogale, D. Ujević, S.F. Rogale, M. Hrastinski; Clothing production technology with work study; Technical Faculty, University of Bihać; 2000. 3. Z. Trajković; Clothing technology – collection of solved problems with fundamentals of theory; Technological Faculty, Leskovac; 1985. 4. B. Knez; Technological processes of clothing production; Technological-Textile Faculty, Zagreb; 1990.

5. Z. Trajković; Clothing production technology Part I; Technological Faculty, Leskovac; 1997.
6. Z. Trajković; Clothing production technology Part II; Technological Faculty, Leskovac; 1998.
7. N. Mihajlović; Machines and devices in the clothing industry; ETS, Belgrade; 1985.
8. G. Nikolić; Mechanisms of machines for clothing production; Textile-Technological Faculty, Zagreb; 2000.
9. G. Nikolić, Ž. Šomođi; Collection of tasks on mechanisms and automation of machines in clothing technology; Textile-Technological Faculty, Zagreb; 1999.

Weekly Contact Hours: 4

Lectures: 2

Practical work: 2

Teaching Methods:

Verbal teaching methods. Illustrative teaching methods. Demonstration teaching methods. Methods of practical work; laboratory-experimental methods with the use of computers.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam	20
Practical work		oral exam	20
Preliminary exam(s)	30		
Project(s)	20		

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.