

Study Programme: Clothing engineering
Course Unit Title: Projecting of women's clothing
Course Unit Code: DAS125
Name of Lecturer(s): Assistant professor Marija Pešić, PhD
Type and Level of Studies: Scientific and professional
Course Status (compulsory/elective): Compulsory
Semester (winter/summer): Summer
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
Course Aims: Acquiring knowledge about the techniques and parameters of designing women's outerwear
Learning Outcomes: Students are trained to design women's outerwear in accordance with industrial production requirements.
Syllabus: <i>Theory:</i> Development of Industrial Production of Women's Outerwear in the World and in Serbia: Types and selection of parameters for designing women's outerwear. Key functions of engineering design for women's outerwear. Designing women's outerwear based on the mechanical properties of flat textile products. Analysis of the relationship between the mechanics of fabrics as a complex geometric structure, its reshaping, and the quality of the finished garment. Shaping Ability: Draping as an aesthetic performance of garment appearance. The impact of mechanical properties of fabrics on achieving 3D shapes. Engineering Design of the Garment System: From the perspective of thermal-physiological and skin-sensory comfort. The significance of the microclimate between the body and the garment for the feeling of comfort. Division of Technology for Women's Outerwear Production: According to the types of garments. The role of technical preparation in the technological processes of women's outerwear production. Connection of technical preparation with the production process of women's outerwear; connection of technical preparation with construction, technological, and operational preparation. Development of Technological Operation Plans and Technological Process Plans: CAD system in construction preparation. Construction, modeling, grading, and transformation of pattern pieces in CAD/CAM systems. Designing Collections: Spring/Summer and Fall/Winter women's outerwear collections. <i>Practice:</i> Through exercises (and project work), students process the elements of designing women's outerwear.
Required Reading: 1. D. Jakšić; Design and Construction of Textiles and Clothing, Faculty of Natural Sciences and Engineering – Department of Textiles, Ljubljana; 2007. 2. D. Jakšić; Design and Construction of Textiles Part I; VTOZD Textile Technology, Ljubljana; 1998. 3. D. Jakšić; Design and Construction of Textiles Part II; VTOZD Textile Technology, Ljubljana; 1998. 4. D. Rogale, D. Ujević, S. F. Rogale, M. Hrastinski; Clothing Production Processes; Faculty of Textile Technology, University of Zagreb; 2011.

5. C. Trajković; Clothing Technology – Collection of Solved Tasks with Basics of Theory; Faculty of Technology, Leskovac; 1985.
6. B. Knez; Technological Processes of Clothing Production; Faculty of Technology and Textile, Zagreb; 1990.
7. C. Trajković; Clothing Manufacturing Technology Part I; Faculty of Technology, Leskovac; 1997.
8. C. Trajković; Clothing Manufacturing Technology Part II; Faculty of Technology, Leskovac; 1998.
9. N. Mihajlović; Machines and Devices in the Clothing Industry; HTS, Belgrade; 1985.
10. G. Nikolić; Mechanisms of Clothing Production Machines; Faculty of Textile Technology, Zagreb; 2000.

Weekly Contact Hours: 6

Lectures: 2

Practical work: 4

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		
Seminar(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.