

<b>Study Programme:</b> Clothing engineering
<b>Course Unit Title:</b> Construction and modeling of clothes
<b>Course Unit Code:</b> OAS188
<b>Name of Lecturer(s):</b> Assistant professor Marija Pešić, PhD
<b>Type and Level of Studies:</b> Scientific and professional
<b>Course Status (compulsory/elective):</b> Compulsory
<b>Semester (winter/summer):</b> Summer
<b>Language of instruction:</b> English
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face
<b>Number of ECTS Allocated:</b> 7
<b>Prerequisites:</b> Doesn't have
<p><b>Course Aims:</b></p> <p>Acquaintance with the characteristics of structural preparation; the importance of using adequate norms and standards. Acquaintance with the characteristics of clothing modeling in structural preparation; relationship and differences in the application of clothing sizes against the construction of clothing cuts; acquiring competence and complete knowledge in the field of clothing modeling.</p>
<p><b>Learning Outcomes:</b></p> <p>Students are able to independently apply the techniques of construction and modeling of clothes when making them in accordance with production requirements</p>
<p><b>Syllabus:</b></p> <p><i>Theory:</i> Standards and norms; theory of pattern; anthropometric characteristics and body structure; garment construction (clothing made from woven fabrics, knits, leather, and fur, enlarging and reducing garments, cutting patterns); characteristics of computer systems applied in the clothing industry; preparation of pattern pieces for digitization. Methodological approach and techniques for garment modeling; theory and construction of darts; garment modeling (clothing made from woven fabrics, knits, leather, and fur). Construction and modeling of basic garments for women's, men's, and children's clothing. Application of Modaris software for construction, modeling, and grading of patterns. Application of Diamino software for fitting garment patterns into cutting layouts. Application of JustPrint and VigiPrint software for drawing garment patterns, variants, and cutting layouts.</p> <p><i>Practice:</i> Through exercises, students work on techniques for constructing and modeling women's and men's clothing both in the traditional way and using the Modaris software package, as well as fitting pattern pieces in the traditional way and using the Diamino software. They also work with JustPrint and VigiPrint software for drawing garment patterns, variations, and marker making.</p>
<p><b>Required Reading:</b></p> <ol style="list-style-type: none"> <li>1. D. Ujević, D. Rogale, M. Hrastinski; Techniques of construction and modeling of clothing, III updated edition; University textbook of the Faculty of Textiles and Technology in Zagreb, Zrinski Čakovec; 2010.</li> <li>2. D. Rogale, S. Polanović; Computer systems of structural preparation in clothing industry; Textile-technological Faculty of Zagreb; 1996.</li> </ol>

3. M. Hrastinski; Grading and computer construction of clothing; Zagreb; 2000.

<b>Weekly Contact Hours: 7</b>	<b>Lectures: 3</b>	<b>Practical work: 4</b>
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**Teaching Methods:**

Verbal teaching methods. Illustrative teaching methods. Demonstration teaching methods. Creating project work

**Knowledge Assessment (maximum of 100 points):**

<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	10	written exam	20
Practical work		oral exam	30
Preliminary exam(s)	30	.....	
Seminar(s)	10		

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