

RTU Course "Fundamentals of Garment Patternmaking and Technology"

01T00 Institute of Architecture and Design

General data

Code	MVR728
Course title	Fundamentals of Garment Patternmaking and Technology
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Dana Almi
Academic staff	Inese Ziemele Anna Kalnāja
Volume of the course: parts and credits points	1 part, 3.0 credits
Language of instruction	LV, EN
Annotation	In the study course the professional terminology, normative-technical documentation of clothing production used in the industry is viewed, the basic types of assembling and processing of sewn products introduced, the basic stitches, seams of joining parts will be mastered - lockstitch and chainstitch and their seams will be discovered. Clothing design methods will be introduced, taking into account body dimensions and overlays, resulting in base pattern. When creating model constructions, modifications of seams will be analysed.
Goals and objectives of the course in terms of competences and skills	The aim of the study course is to provide basic knowledge and skills in clothing patternmaking and manufacturing technology, the use of industry terminology. The tasks of the study course are: 1. To develop the students' ability to write an artistically constructive description in clothing model and to compile a list of cut parts. 2. Introduce the basic ways of connecting pattern pieces. 3. To provide knowledge about stitches and seams, their types and uses in clothing. 4. To acquaint with the theoretical bases of clothing patternmaking and to develop practical skills in clothing patternmaking. 5. To develop the ability of clothing patternmaking, understanding the relationship between the measures used in construction. 6. To promote the ability to identify possible defects, their causes and prevention techniques.
Structure and tasks of independent studies	Independent literature studies and preparation of theoretical substantiation for laboratory works. In the independent work, the structure of clothes and the ways of connecting their parts are mastered in depth, the methods of clothes patternmaking are mastered, models made, their quality is assessed, causes defined and corrections are made.
Recommended literature	Obligātā/Obligatory 1. Joseph-Armstrong, Helen, Patternmaking for fashion design / Pearson new international edition, 5th edition, Harlow : Pearson, ©2014, 920 lpp. : il. + 1 DVD. 2. Stitches and Seams/ Laing, R., UK, The Textile Institute, 1998 3. H Eberle, H.Hermeling, M.Hornberger, R.Kilgus, R.Kupke, D.Menzer, A.Moll, W.Ring. Clothing technology, from fiber to fashion. ISBN 978-3-8085-6225-3 4. Jacob Solinger "Apparel Manufacturing Handbook". Second Edition, 1986. Papildu/Additional 5. J. L. Matthews-Fairbanks Pattern Design: Fundamentals: Construction and Pattern Making for Fashion Design, CreateSpace Independent Publishing Platform, 2018, 218 pages 12. Stitches and Seams/ Laing, R., UK, The Textile Institute, 1998 13. H Eberle, H.Hermeling, M.Hornberger, R.Kilgus, R.Kupke, D.Menzer, A.Moll, W.Ring. Clothing technology, from fiber to fashion. ISBN 978-3-8085-6225-3 14. Jacob Solinger "Apparel Manufacturing Handbook". Second Edition, 1986.
Course prerequisites	IT technologies

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
Normative-technical documentation of clothing production. Structure and layering of the sewn product.	4	4	0	0
General information on the basic types of assembly and processing of sewn products.	4	4	0	0
Classification of stitches, seams. Lockstitch, its seams and use in clothing. Professional terminology.	4	4	0	0
Chainstitch, its seams and use in clothing.	4	4	0	0
Clothing shape dimensions. Tolerance, ease allowance and seam allowance.	4	4	0	0
Calculating-graphic patternmaking of women's straight and conical skirts.	12	12	0	0
Constructive modeling.	6	6	0	0
Structural defects of clothing.	2	2	0	0
Total:	40	40	0	0

Learning outcomes and assessment

Learning outcomes	Assessment methods
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Able to write an artistically constructive description of clothing and compile a list of cut parts for a sample of clothing, using industry terms.	In the laboratory work, the basic types of everyday clothing, their structure, the list of cut parts of the product and the artistically constructive description have been compiled, using industry terms. In the test knowledge about the structure of clothes is demonstrated.
Able to distinguish between types of machine stitches and seams, select the appropriate seams for connecting garment parts, using industry terms.	In the laboratory work machine stitches and seams in the finished products are identified and described, using industry terms.
Able to make apparel base pattern and model constructions.	Various assortment of apparel base patterns and model constructions have been developed in the laboratory works. The test demonstrates an understanding of the basic principles of clothing patternmaking and the ability to creatively use constructive modeling techniques.
Able to evaluate the quality of clothing patterns, recognize and eliminate structural defects.	Models of basic patterns have been made and evaluated. Laboratory work protocols reflect the methods of elimination of identified defects.

Evaluation criteria of study results

Criterion	%
Laboratory works	70
Tests	30
Total:	100

Study subject structure

Part	CP	Hours			Tests		
		Lectures	Practical	Lab.	Test	Exam	Work
1.	3.0	1.0	0.0	1.0	*		