

RTU Course "Garment Pattern Grading"

01T00 Institute of Architecture and Design

General data

Code	MVR217
Course title	Garment Pattern Grading
Course status in the programme	Compulsory/Courses of Limited Choice
Responsible instructor	Gaļina Terļecka
Academic staff	Eugenija Strazdiene
Volume of the course: parts and credits points	1 part, 3.0 credits
Language of instruction	LV, EN
Annotation	The study course deals with methods and kinds of pattern grading of clothes details are reviewed in the course, grading of main and derived details, grading principles in automated designing systems and other. Different practical tasks for skill development in manual and automated gradation are also provided in the study course. A different methods of grading check is analysed.
Goals and objectives of the course in terms of competences and skills	Goal: to provide knowledge and skills in clothes details gradation in manual and computed ways. Tasks: to provide knowledge about clothes details gradation; to develop skills making gradation manually; to develop skills to develop gradation schemas of typical constructions and make gradation checks with different methods; to acquaint with gradation principles in automated designing systems.
Structure and tasks of independent studies	During the practical task the mastered methods of clothes gradation is deepened, gradation drawings are created, pairing of details checks are made, errors and non-standard situations are analysed and fixed.
Recommended literature	Obligātā. / Obligatory: Kathy K. Mullet . Concepts of pattern grading: techniques for manual and computer grading. Bloomsbury Academic, 2021. - 228 pp. Aldrich Winifred. Metric Pattern Cutting for Women's Wear 5th ed. Chichester, England : Wiley, 2008. - 215 pp. Papildu. / Additional: Aldrich Winifred. Metric Pattern Cutting for Menswear. 5th Edition. England : Wiley, 2012. - 374 pp. Aldrich Winifred.. Metric Pattern Cutting for Children's Wear and Babywear. 4th Edition. England : Wiley, 2009. - 224 pp. http:// www.grafis.de http:// www.lectra.com MŠ. V.SUJITHA . Pattern grading. http://oms.bdu.ac.in/ec/admin/contents/41_16SACFT4_2020052511091337.pdf Grading Skirts https://www.muellerundsohn.com/en/allgemein/grading-skirts/ Grading Trousers Patterns. https://www.muellerundsohn.com/en/allgemein/grading-trouser-patterns/ Grading different Sleeves https://www.muellerundsohn.com/en/allgemein/grading-different-sleeves/ Grading a Basic Bodice Block https://www.muellerundsohn.com/en/allgemein/grading-a-basic-bodice-block/ Иевлева Р.В., Мартынова А.И., Зюзина О.А . Градация лекал. Москва: МГУДТ, 2006. – 114 с.
Course prerequisites	Garment patternmaking, garment manufacturing technology.

Course contents

Content	Full- and part-time intramural studies		Part time extramural studies	
	Contact Hours	Indep. work	Contact Hours	Indep. work
Gradaion of clothes model.	8	9	0	0
Body measurement changes used in typical figures systems and constructing methods.	2	2	0	0
Methods and kinds of clothes details gradation. Proportional method of calculation.	2	3	0	0
Methods and kinds of clothes details gradation. Grouping method.	2	3	0	0
Gradaion axis movement.	2	2	0	0
Gradaion of main and derived details of model construction.	8	9	0	0
Gradaion details check on combination and pairing.	2	4	0	0
Gradaion principles in automated designing systems.	8	8	0	0
Test work	6	0	0	0
Total:	40	40	0	0

Learning outcomes and assessment

Learning outcomes	Assessment methods
Is able to choose and use appropriate gradation methods.	During laboratory works the skills to use the existing gradations systems data is shown.
Is able to calculate gradation values.	During laboratory works the skills to define the intermediate point of gradation data is shown.
Is able to develop gradation schemas.	During laboratory works the skills to use a protocol of an automated designing system for model details gradation is shown.
Is able to make gradation of mold manually and using automated designing systems.	During laboratory works the skills to use a protocol of an automated designing system for model details gradation is shown.
Is able to choose the appropriate gradation schema.	During laboratory work the skills to use integrated gradation tables for detail gradation is shown
Knows gradation drawing control methods and is able to make gradation check.	During laboratory work the skills to check combinations of gradation details and to make pairing is shown.

Evaluation criteria of study results

Criterion	%
Laboratory work	70
Test work	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	*		