

COURSE SYLLABUS						
Course Title	Course Code	Semester	Course Hour/Week		Credit	ECTS
Machine Applications and Sewing Techniques	TFAD 142	2	Theory 2	Practice 2	3	5
Course Type	Compulsory Courses	Department Elective	Faculty Elective	University Elective	Co HE (YÖK) Compulsory	Other
				x		
Level of Course	Associate Degree (Short Cycle)		Undergraduate (First Cycle)		Graduate / Doctoral (Second / Third Cycle)	
			x			

Language of Instruction	English
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Course Instructor(s)	Lecturer Şansım Televi Boğa	E-mail sansim.televi@arucad.edu.tr Office : AB STE01
Course Objectives	<ol style="list-style-type: none"> 1. Develop safe working practices for handling sewing machines, steam irons, and basic garment tools and equipment. 2. Explain fundamental processes of fabric selection, cutting, assembling, pressing, and sewing in garment production. 3. Define and list sewing machine parts, tools, and garment construction terminology used in studio practice. 4. Apply appropriate material selection criteria and demonstrate correct positioning, securing, and cutting of fabric pieces. 5. Interpret machine functions in relation to stitch quality and fabric behaviour. 6. Build / Develop technical competence in basic garment construction workflows through guided studio practice. 	

Course Learning Outcomes	By the end of the course, students will be able to:	Teaching Methods	Evaluation Methods
	1. Define sewing and garment construction terminologies, tools, and machine parts used in apparel production..	Lectures, visual analysis of sewing tools and machines, in-class terminology exercises.	Midterm: Multiple choice exam Final: Multiple choice exam
	2. Explain sewing machine mechanisms and interpret their impact on stitch quality and fabric handling.	Machine demonstrations, live operation sessions, guided observation, group discussions.	Midterm: Multiple choice exam Final: Multiple choice exam
	3. Apply basic techniques of measuring, cutting, handling, and pressing fabrics in garment construction processes.	Studio practice, guided cutting and pressing exercises, material handling workshops.	Midterm: Multiple choice exam Final: Multiple choice exam
	4. Demonstrate correct machine operation by performing fundamental stitching techniques on different fabric types.	Studio machine practice, step-by-step demonstrations, supervised sewing exercises.	Midterm: Multiple choice exam Final: Multiple choice exam
	5. Analyze different seam and hem finishing techniques to differentiate their effects on various fabrics.	Experimental sewing workshops, comparative sampling exercises, peer critique.	Midterm: Multiple choice exam Final: Multiple choice exam
	6. Develop basic sewing skills and create small sewing projects by combining pattern reading with construction processes.	Project-based studio work, pattern reading workshops, individual mentoring.	Midterm: Multiple choice exam Final: Multiple choice exam
	7. Assess the quality of their own sewing outcomes technical decisions in studio critiques.	Portfolio development sessions, critique sessions, reflective discussions.	Midterm: Multiple choice exam Final: Multiple choice exam

Course Content	In this course, students learn the basic sewing techniques by gaining the ability to use the tools in the fashion production workshop. Students become familiar with the tools and machines used in garment production and can use sewing and printing machines and basic features of their types. Suitable machine type for suitable material, suitable machine foot, needle, thread, etc. determination of items. Practical transfer of different fabrics and leather, fur or non-traditional textile materials with which sewing techniques and according to what processes can be combined.

COURSE OUTLINE/SCHEDULE			
Week	Topic	Implementation (theory/practice)	Required Reading, Preliminary preparation
1	<ul style="list-style-type: none"> • Introduction to course, sewing machines, steam-iron and studio safety • Introduction to sewing tools, machine equipment and how they're properly used to cut, pin, press and sew 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), pages: 65-94, (TT515.F57.2015) - Class demonstration
2	<ul style="list-style-type: none"> • Using the Flat Industrial Sewing Machine, Cleaning and Maintenance of the Flat Industrial Sewing Machine, • In-Class Practice: Machine setup exercise, straight stitching practice on calico 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), pages: 7-33, (TT515.F57.2015) - Class demonstration
3	<ul style="list-style-type: none"> • Using the Overlock Machine, Cleaning and Maintenance of the Overlock Machine, Ironing and Ironing Environment • In-Class Practice: Machine setup exercise, straight stitching practice on calico 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), pages: 110-138, (TT515.F57.2015) - Class demonstration

4	<ul style="list-style-type: none"> • Sewing Exercises, Basic Seams and Stitch Control • Corner and curve piecing stitches 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
5	<ul style="list-style-type: none"> • Sewing Exercises, Topstitching and Decorative Machine Stitching, • Edge topstitching, seam topstitching, French seam, flat-felled seam 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
6	<ul style="list-style-type: none"> • Sewing Exercises, Facings, Plackets and Openings • Neckline facing, Shirt placket basics 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
7	<ul style="list-style-type: none"> • Sewing Exercises, Zippers & Fastening Techniques • Centered zipper, Lapped zipper, Invisible zipper, Hook & eye, snap fasteners 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
8	<ul style="list-style-type: none"> • Checking all exercises and completing any missing parts. • Mid Project Submission 	T/P	<ul style="list-style-type: none"> - Class demonstration
9	<ul style="list-style-type: none"> • Introduction to project requirements. Explanation of mandatory techniques: • Straight stitch control • Overlock finishing • At least one topstitch application • At least one facing • At least one placket or zipper • At least one fastening technique • Silhouette research and technical sketch development • Fabric selection (calico or suitable woven fabric) 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration

10	<p>Pattern Preparation & Fabric Layout</p> <ul style="list-style-type: none"> • Preparing/adapting basic skirt pattern • Preparing/adapting basic top pattern • Adding seam allowances • Pattern checking and corrections • Fabric layout planning <p>Class Practice:</p> <ul style="list-style-type: none"> • Cutting fabric • Marking notches, grainlines, seam allowances 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
11	<p>Skirt Construction</p> <ul style="list-style-type: none"> • Sewing side seams (straight stitch + overlock finishing) • Pressing techniques during construction • Zipper insertion (centered or lapped) 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
12	<p>Skirt Completion</p> <ul style="list-style-type: none"> • Waistband or waist facing application • Edge or seam topstitching • Hem finishing techniques • Final pressing and quality control • Studio Critique: Stitch accuracy, symmetry, functionality • Skirt must be completed. 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), pages: 155-160, (TT515.F57.2015) - Class demonstration
13	<p>Top Construction</p> <ul style="list-style-type: none"> • Sewing shoulder and side seams • Application of French seam or flat-felled seam • Sleeve or armhole construction (depending on model) 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration

14	<ul style="list-style-type: none"> • Neckline facing application • Placket or back opening construction • Hook & eye or snap fastening application 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
15	<p>Final Assembly & Surface Detailing</p> <ul style="list-style-type: none"> • Topstitch detailing • Optional decorative machine stitching • Garment fitting session • Technical corrections and refinements • Full outfit (skirt + top) must be completed. 	T/P	<ul style="list-style-type: none"> - Fisher, A. (2015), (TT515.F57.2015) - Class demonstration
16	<ul style="list-style-type: none"> • FINAL PROJECT SUBMISSION 	T/P	<ul style="list-style-type: none"> - Class demonstration - Lecturer's Notes

Required Course Material(s) / Reading(s)/ Text Book(s)	<ol style="list-style-type: none"> 1. Fisher, A. (2015). <i>Sewing for fashion designers</i>. Hachette UK. (TT515.F57.2015)
Recommended Course Material(s)/ Reading(s) /Other	<ol style="list-style-type: none"> 1. Prendergast, J. (2014). <i>Sewing Techniques: An Introduction to Construction Skills Within the Design Process</i>. A&C Black. 2. Wolff, C. (1996). <i>The art of manipulating fabric</i>. Penguin. 3. Cole, J., & Czachor, S. (2014). <i>Professional sewing techniques for designers</i>. A&C Black. 4. Smith, A. (2009). <i>The sewing book</i>. Dorling Kindersley Ltd. 5. Amaden-Crawford, C. (2015). <i>A Guide to Fashion Sewing: Studio Access Card</i>. Bloomsbury Publishing USA.

ASSESSMENT		
Learning Activities	NUMBER	WEIGHT in %
Mid-Term	1	40%
Quiz		

Assignment		
Project		
Field Study		
Presentation / Seminar		
Studio Practice		
Other		
Contribution of Final Examination/Final Project/ Dissertation to the Final Grade	1	60%
TOTAL		100

CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES						
No	PROGRAMME LEARNING OUTCOMES	Level of Contribution (1-lowest/ 5-highest)				
		1	2	3	4	5
PLO 1	Explains the historical, cultural, and theoretical foundations of textile and fashion design within global artistic contexts.					
PLO 2	Recognizes textile materials, fabric structures, production technologies, and garment construction systems.					
PLO 3	Interprets fashion history, art history, and cultural phenomena in relation to contemporary fashion practices.					
PLO 4	Analyzes ethical, ecological, and sustainability principles within fashion and textile production processes.					
PLO 5	Applies drafting, draping, pattern-making, and garment construction techniques using traditional and digital tools.					
PLO 6	Develops original fashion collections through research, concept development, and advanced rendering techniques.					

PLO 7	Uses computer-aided design software and industrial technologies to visualize, produce, and present fashion designs.					
PLO 8	Produces innovative textile and fashion products by integrating technical skills with creative design processes and addressing design challenges through experimental and problem-solving approaches.					
PLO 9	Evaluates global fashion trends, forecasting systems, and market dynamics to inform design decisions.					
PLO 10	Collaborates effectively within interdisciplinary teams while managing time, workflow, and production processes.					
PLO 11	Communicates professional portfolios and fashion concepts to specialist and non-specialist audiences.					
PLO 12	Demonstrates professional responsibility by integrating ethical awareness, sustainability, and industry standards into practice while continuously developing professional competencies through lifelong learning.					

ECTS / STUDENT WORKLOAD				
ACTIVITIES	NUMBER	UNIT	HOUR	TOTAL (WORKLOAD)
Course Teaching Hour (X weeks * total course hours)	15		4	60
Preliminary Preparation and self- study	15		3	45
Mid-Term	2		3	6
Quiz				
Assignment				
Project				
Field Study				
Presentation / Seminar				
Studio Practice				
Final Examination/ Final Project/ Dissertation	2		6	12












Other				
TOTAL WORKLOAD				123
TOTAL WORKLOAD / 25				4.92
ECTS				5







ETHICAL RULES WITH REGARD TO THE COURSE

Plagiarism Disclaimer

Detected and undetected plagiarism is a serious offence at any time and it could have devastating effects on your degree result and future professional lives.

Plagiarism is easy to avoid if you make sure to identify and acknowledge your sources thoroughly and do not copy directly from visual examples, designs, or notes that have in turn been taken word for word from your sources.

	SDG 1: No Poverty	
	SDG 2: Zero Hunger	
	SDG 3: Good Health and Well-Being	
	SDG 4: Quality Education	X
	SDG 5: Gender Equality	X
	SDG 6: Clean Water and Sanitation	X
	SDG 7: Affordable and Clean Energy	X
	SDG 8: Decent Work and Economic Growth	X
	SDG 9: Industry, Innovation and Infrastructure	X
	SDG 10: Reduced Inequalities	
	SDG 11: Sustainable Cities and Communities	X

	SDG 12: Responsible Consumption and Production	X
	SDG 13: Climate Action	X
	SDG 14: Life Below Water	X
	SDG 15: Life on Land	X
	SDG 16: Peace, Justice and Strong Institutions	
	SDG 17: Partnership for the Goals	X

ASSESSMENT DETAILS AND EVALUATION CRITERIA:

Final Grades will be determined according to the Course Learning Activities and Final Examination/ Project/ Dissertation Assessment Details as below, and comply by the Education and Examination Regulation set forth by the University.

*Mandatory attendance for all of our courses is 70%, regardless of medical reports. Reports will only be valid if exams cannot be attended. A report must be submitted within three working days to the faculty secretary following an exam by students who are unable to take the exam for health reasons.

PREPARED BY	Lec. Şansım Televi Boğa
UPDATED	25/02/2026
APPROVED	Approved by the Departmental Board on 15.10.2025