

# COURSE SYLLABUS

<b>University</b>	<b>UNIVERSITY OF ORADEA</b>
<b>Faculty</b>	<b>FACULTY OF ENERGY ENGINEERING AND INDUSTRIAL MANAGEMENT</b>
<b>Study program*</b>	<b>ECONOMIC-INDUSTRIAL ENGINEERING</b>

## I. Course Name: TECHNOLOGIES AND EQUIPMENT IN TEXTIL GARMENTS

## II. Course Details

No of hours/week						
Code	Semester	Credits	Lecture	Seminar	Laboratory	Project
	6	5	2		1	2

**III. Course coordinator (title, name, surname, e-mail):** Ş.l.dr.ing. Simon Andreea Anca,  
anca.simon@yahoo.com

## IV. Course objectives

The general objective of the discipline	This discipline is addressed to students in the third year of study, and its purpose is to treat and solve the fundamental aspect regarding the characteristics of textile materials, as well as technological processes. The phases and operation of technological processes are defined, the technological diagrams of the specific machines are presented, and the main working parameters are assessed.
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## V. Course content

	No. of hours
<b>V.1. Lecture (chapters/subchapters and paragraphs)</b>	
1. Classification of textile materials intended for textile garments	2
2. Analysis of quality parameters for textile materials	2
3. Reception of textile materials	2
4. Preparing textile materials for cutting	2
5. Textile materials cutting	2
6. Machinery for cutting textile materials	2
7. Thermobonding of textile materials	2
8. Equipment for thermobonding of textile materials	2
9. Sewing textiles materials	2
10. Machinery for sewing textile materials	2
11. Welding of textile materials	2
12. Humidothermic treatments	2
13. Labeling, packaging, storage, transportation	2
14. Quality control of clothing products	2
<b>V.2. Laboratory/Seminar/Project:</b>	
<b>Laboratory</b>	
1. Qualitative reception of textile materials (methods)	1
2. Quantitative reception of textile materials (methods)	1
3. Definition of clothing products; Methodological indications and general principles	1
4. Launching an order into production; calculation of average specific consumption and calculation elements on the spreading operation	1
5. Establishing the time norm and practical production for the cutting operation	1
6. Assembly by thermal bonding	1
7. Identifying seams and assemblies in the structure of clothing products	1
8. Preparation of sewing machine cycle diagrams	1
9. Setting the sewing time and operating the industrially machines	1
10. Structure and technology of class 100 seams	1
11. Structure and technology of the bobbin sewing (sewing 301)	1
12. Overcasting sewing and sewing machines used	1
13. Strength of sewing joints	1

14. Recoveries	1
<b>Project:</b> Technological design of clothing products	
1. General considerations. Justification memorandum	2
2. Technical description of the designed model	2
3. Determining the need for materials	2
4. Establishing the flow for the manufacturing system	2
5. Reception of raw materials	2
6. Design of the cutting department	2
7. Thermal bonding of marks	2
8. Design of the manufacturing department	2
9. Design of the finishing section	2
10. Production quality check	2
11. Establishing production and storage areas	2
12. Organization of internal transport	2
13. Technical indicators for assessing the designed manufacturing system	2
14. Project presentation and evaluation	2

## VI. Bibliography

1. Tehnologii și utilaje în cusături textile – Carmen Loghin – Ed. Performantica Iași 2003
2. Controlul Calității produselor – Florea Adela , Ed. Gh. Asachi Iași 2001
3. Bazele tehnologiei confecțiilor textile - Mitu Stan , Ed. Gh. Asachi Iași 1999
4. Procese și mașini pentru pregătirea tehnică a fabricației și croirea materialelor textile – V. Papaghiuc, Ed. Gh. Asachi, Iași 2000
5. Procese și mașini pentru coaserea materialelor textile; V. Papaghine, Ed. Performantica , Iași 2003
6. Tehnologii și utilaje în confecții, Oana I, Oana D, Ed.Univers. din Oradea 2008

## VII. Grading criteria

Activities	Assesment	% of final grade
Exam	Written exam: 1. Requirements in order to get the minimum grade for passing the exam 2. Requirements for the maximum grade	
Seminar/Laboratory/Project	Seminar attendance must be at least 80%. Laboratory attendance 100%, active, relevance of the issues raised. Aaboratory attendance 100%, active, conscientiousness, consistency, correctness of calculations.	
Lecture/Seminar	Written / oral exam	30%
Laboratory	Oral / written examinations, periodic.	30%
Project	Verification and correction of the semester project.	40%

## VIII. Learning outcomes:

<p>Knowledge and understanding of basic concepts, theories and methods of the field. Using basic knowledge to explain and interpret process situations associated with the field. Applying some basic principles and methods in order to solve some typical situations in the field of textile garments.</p> <p>Use of basic knowledge to explain and interpret the procedures, techniques and methods necessary for the design and manufacture of textiles using tools specific to computer-aided design. Use of basic knowledge to explain and interpret the procedures, techniques and methods needed to plan, coordinate and monitor textile manufacturing systems. Use of basic knowledge to explain and interpret the procedures, techniques and methods needed to evaluate and ensure the quality of products and processes specific to the manufacture of garments. Use of standard criteria and methods for evaluating the quality of some programs / methods / theories.</p> <p>Applying basic principles and methods for planning, coordinating and monitoring manufacturing systems.</p>
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Course coordinator,  
Ș.l.dr.ing. Simon Andreea Anca,