

# 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>KNITTING AND GARMENT TECHNOLOGY</b>

## I. Course Name: Textile finishing

## II. Course Details

Code	Semester	No of hours/week				
		Credits	Lecture	Seminar	Laboratory	Project
IEMI-0409	6	4	2		2	

## III. Course coordinator (title, name, surname, e-mail): Secan Cristina, cris\_secan@yahoo.com

## IV. Course objectives

- Familiarization of students with basic concepts and notions in the field of textiles-leatherworks;
- Acquiring skills in understanding processes and phenomena.

V. Course content	No. of hours
<b>V.1. Lecture (chapters/subchapters and paragraphs)</b>	
1. Behavior of textile support in chemical finishing operations;	2
2. Basics of washing. Auxiliaries.	2
3. Preparation of cotton and cotton textiles	2
4. Preparation of woolen materials	2
5. Preparation of chemical textiles.	2
6. Drying of textile materials.	2
7. Operations that change the surface of the material.	2
8. Operations to improve dimensional stability.	2
9. Final chemical finishing.	2
10. Superior finishing of textiles.	2
11. Treatments to protect textiles against degradation.	2
12. Treatments against ignition and combustion.	2
13. Anti-electrostatic treatments.	2
14. Anti-fouling, anti-pilling, anti-picking and anti-snagging treatments	2
<b>V.2. Laboratory/Seminar/Project:</b>	
1. Preparation of cotton textiles.	2
2. Determination of hydrophilicity of textile material.	2
3. Bleaching of cotton textiles.	2
4. Mercerization.	2
5. Preparation of linen textiles.	2
6. Control of degradations of cellulosic materials in finishing processes.	2
7. Preparation of woolen textile materials.	2
8. Carbonization of wool.	2
9. Tissue creasing.	2
10. Bleaching wool.	2
11. Preparation of natural silk textiles.	2
12. Whitening natural silk.	2
13. Control of degradation of protein materials.	2
14. Painting with direct dyes.	2

## VI. Bibliography

- |                    |  |
|--------------------|--|
| 1. BUTNARU R.      | – <i>Finisarea produselor textile</i> , Rotaprint Iași, 2001;                                  |
| 2. ALEXANDRESCU I. | – <i>Îndrumar teoretic și practic pentru vopsirea materialelor textile</i> , Ed, Certex, 1994; |
| 3. ALBULESCU I.    | – <i>Operații în finisajului textil</i> , Ed Tehnica 1987;                                     |
| 4. DAESCU C.       | – <i>Procese fundamentale în tehnologia chimică textilă</i> , Timișoara, 1998;                 |
| 5. SECAN C.        | – <i>Note de curs.2026</i>   |

## 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.	10 subjects, of which 5 are made for the minimum grade, and 10 for the maximum grade.
Seminar/Laboratory/ Project		Project presentation

## VIII. Learning outcomes:

Course coordinator,

Ș.L.dr.Secan Cristina