

# COURSE SYLLABUS

University	<b>UNIVERSITY OF ORADEA</b>
Faculty	<b>FACULTY OF ENERGY ENGINEERING AND INDUSTRIAL MANAGEMENT</b>
Study program*	<b>KNITTING AND GARMENT TECHNOLOGY</b>

## I. Course Name: COMFORT AND FUNCTIONS OF TEXTILE AND LEATHER PRODUCTS

### II. Course Details

Code	Semester	No of hours/week				
		Credits	Lecture	Seminar	Laboratory	Project
IEMI 0416	4	5	2	-	3	-

### II. Course coordinator (title, name, surname, e-mail):

SECAN CRISTINA, cris\_secana@yahoo.com

### IV. Course objectives

Familiarization of students with basic concepts and basics in the field of textiles-leather  
- Acquiring skills in understanding processes and phenomena

### V. Course content

No. of hours

#### V.1. Lecture (chapters/subchapters and paragraphs)

Comfort and functions of textile and leather products.

Ensuring physiological and comfort parameters.

8

Functions of clothing products / Interaction between body – clothing ensemble – environment

8

Thermal conductivity / Specific heat of textile materials.

4

Behavior of textile materials and clothing products in humid environments.

4

Special-purpose equipment

4

#### V.2. Laboratory/Seminar/Project:

1.Determination of thermalconductivity coefficient

3

2.Determination of hydrophilicity of textile materials

3

3.Determination of hygrosopicity

3

4.Determination of specific heat of materials for clothing products

3

5.Determination of clothing product mass

3

6.Determination of airpermeability for layers, assortments, and clothing structures

3

7.Definition of clothingproducts

3

8.Vapor permeabilityand vapor transmission resistance

3

9.Determination of clothing structure characteristics under specific physiological conditions

3

10.Determination of porosity, heat transfer coefficient, thermal inertia, and heat absorption capacity of materials for clothing products

6

11.Determination of thermal insulation of materials, assortments, and clothing structures

4

12.Establishing the global comfort index

5

### VI. Bibliography

Baciu C., Anatomia funcțională și biomecanica aparatului locomotor, Editura Sport – Turism, București, 1977.

2.Ionescu C., Asigurarea și controlul calității încălțăminteii pe fluxul de fabricație, Editura Universității din Oradea, 2002.

3.Mitu Stan, Confortul și funcțiile produselor vestimentare, Gh. Asachi Publishing House,Iași, 2000.

- 4.Mitu Stan, Hoblea Z., Elemente de fiziologie și confort vestimentar, Îndrumar de lucrări practice, Tipar Rotaprint, IPI, 1984.
- 5.**Secan C.**, Studiu privind influența structurii înlocuitorilor de piele asupra permeabilității la vapori de apă, Textilele Viitorului, Simpozionul Anual al Specialiștilor din Industria de Tricotaje-Confecții, Facultatea de Textile-Pielărie, nov. 2008.
- 6.**Secan C.**, Mitu S., Cercetări experimentale privind stabilirea limitelor parametrilor de confort pentru produse din piele și înlocuitori, Textilele Viitorului, Simpozionul Anual al Specialiștilor din Industria de Tricotaje-Confecții, Facultatea de Textile-Pielărie, nov. 2008.
7. Porav V., **Secan Cristina**, *An analysis the influence of the textile material doubling process by thermofusing on vapor permeability*, Annals of the Oradea University, "Fascicle of Textile - Leatherwork", TheInternational scientific conference, "Innovative solutions for sustainable development of textiles industry", vol XVII, Ed.Universității din Oradea, 2016.,ISSN 1843-813X,pg.107, **articol indexat în baza de dateULRICH'S**.
8. Porav V., **Secan Cristina**, *The influence of doubling of textile materials through thermofusing on their hidrophilicity*, Annals of the Oradea University, "Fascicle of Textile - Leatherwork", TheInternational scientific conference, "Innovative solutions for sustainable development of textiles industry", vol XVII, Ed.Universității din Oradea, 2016.,ISSN 1843-813X,pg.111, **articol indexat în baza de dateULRICH'S**.
- 9.**Secan C.**,*Comportarea din punct de vedere sanogenetic a înlocuitorilor la confecționarea încălțăminteii*, referat doctorat
- 10.**Secan C.**, *Contribuții la optimizarea utilizării înlocuitorilor din piele în procesul de fabricare a încălțăminteii*, teza doctorat.
11. **Secan Cristina**, *ANALIZA PARAMETRIILOR FIZIOLOGICI ȘI DE CONFORT*, Editura Universității din Oradea, ISBN 978-606-10-2237-3, anul 2023.
12. **Secan Cristina**, Cuc Sunhilde, *ASPECTS REGARDING THE PHYSIOLOGICAL AND COMFORT PARAMETERS IN SHOES MADE OF LEATHER SUBSTITUTES*, ICAMS, 2022,Proceedings of THE 9 th INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND SYSTEMS, ISSN 2068-0783, pp. 461-467, Bucuresti, 26-28 oct.,2022, [www.icams.ro](http://www.icams.ro).

## 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:  
Lecturer.SECAN Cristina PhD.

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