

# 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 CLOTHING TECHNOLOGY</b>

## I. Course Name: **BASICS OF TEXTILE MANUFACTURING PROCESSES I**

### II. Course Details

Code	Semester	No of hours/week				
		Credits	Lecture	Seminar	Laboratory	Project
IEMI-0840	IV	4	3	-	2	-

**III. Course coordinator (title, name, surname, e-mail):** As. Prof. Simina-Tteodora HORA,  
horasimina@gmail.com

### IV. Course objectives

The course aims to highlight the fundamental aspects regarding the design of technological processes in garment. The phases and operations of technological processes in garment are defined, the machines and SDVs specific to garment are presented.

### V. Course content

#### No. of hours

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

1. Classification of clothing and materials used in garments.	4
2. Materials used in textile manufacturing	4
3. Stages of making a textile product	4
4. Receiving and storing materials and products	3
5. Designing clothing products using CAD	4
6. Design elements and framing patterns using CAD.	4
7. Spreading and cutting textile materials.	2
8. Cutting of textile materials	2
9. Manual stitching	3
10. Mechanical stitching	12

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

1. Stages of production of a clothing item	2
2. List of materials	2
3. Sewing machine needles	2
4. Sewing threads	2
5. Calculating the time for assembling parts	2
6. Designing patterns using CAD	2
7. Patterning using CAD	2
8. Framing patterns using CAD	2
9. Technical sheet for the jacket product	2
10. Technical sheet for the dress product	2
11. Technical sheet for the pants product	2
12. Mechanical seams	2
13. Mechanical seams	2
14. Recovery and conclusion of the laboratory activity	2

### VI. Bibliography

1. Bazele tehnologiei confecțiilor textile-Mitu S.,1998
2. Controlul calitatii produselor-Preda C.,1983
3. Procese,utilaje si instalatii in confecții textile-Potoran 1989
4. Proiectarea imbracamintei-Brumarin A.,1989.
- 5.Tehnologii și utilaje în confecții, Oana I, Oana D, Ed.Univers. din Oradea 2008
- 6.Bazele tehnologiei confecțiilor textile. Indrumar de lucrari practice. Mitu S.,Pintilie E.,Mitu M.IASI 2003

### VII. Grading criteria

Activities	Assesment	% of final grade
Exam	Written exam: Knowledge and understanding of course content	70
Seminar/Laboratory/Project	Participation and performance of laboratory work	30

#### VIII. Learning outcomes:

- The student/graduate explains theoretical results, experimental results and technical documentation associated with industrial products, phenomena and processes
- The student/graduate identifies and describes software systems for programming, database management, graphics and modeling of industrial products and technologies.
- The student/graduate classifies and compares the principles and methods of designing industrial products, equipment and technologies used in professional projects.

Course coordinator,  
Simina-Teodora HORA