

# 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: STRUCTURE AND DESIGN OF TEXTILE GARMENTS II**

### **II. Course Details**

Code	Semester	Credits	No of hours/week			
			Lecture	Seminar	Laboratory	Project
IEMI 0847	5	4	28		14	

**III. Course coordinator (title, name, surname, e-mail):** ř.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 constructive design of clothing products. By constructive design is meant a complex of works carried out for the realization of the new model which includes research, realization of model sketches, calculation and construction of patterns, finalization of templates, as well as obtaining elements of technical documentation necessary to introduce the new model.
Specific objectives	Associating knowledge, principles and methods specific to the technical sciences of the field to identify and analyze the characteristics of specific products.

<b>V. Course content</b>	<b>No. of hours</b>
<b>V.1. Lecture (chapters/subchapters and paragraphs)</b>	
1. Introductory notions in the constructive design of clothing;	2
2. Notions of the anatomy of the human body, seen as a support surface for clothing	2
3. The main morphological indicators that characterize the external shape of the human body;	2
4. Anthropometry and anthropometric indicators that characterize the dimensions of the human body;	2
5. Classical and modern methods of measuring the human body, used in anthropometry;	2
6. The basic principles of the elaboration of the dimensional typology of the population;	2
7. Classical methods of construction of clothing patterns;	2
8. Industrial design of new models of clothing products. Ways of obtaining patterns in correspondence with the particularities of the models;	2
9. Basic construction lines and their modification according to fashion;	2
10. Criteria for choosing materials for clothing products;	2
11. Principles regarding the elaboration of the construction of patterns for different models of clothing products - the modification of the basic patterns according to the proposed model;	2
12. Elaboration of the technical documentation of constructive design. Basic principles regarding the construction of templates;	2
13. Grading patterns - grading methods used in the constructive design of clothing;	2
14. Framing the patterns on the textile material. Establishment of specific consumptions and indices of use of textile surfaces.	2

<b>V.2. Laboratory/Seminar/Project:</b>	
Paper no. 1 Clothing functions. Criteria for classifying clothing products;	1
Paper no. 2 Elements of biomechanics, identification of the skeletal and muscular system, as well as the main morphological indicators of the human body;	1
Paper no. 3 Defining the anthropometric quantities and presenting the way of taking them by the classical method - the dimensions of the rectilinear;	1
Paper no. 4 Defining the anthropometric quantities and presenting the way of taking them by the classical method - the dimensions of the curvilinear;	1
Paper no. 5 Study of normative documents that regulate the dimensions of the standard body and of clothing products;	1
Paper no. 6 Geometric methods of construction of basic patterns for products with shoulder and waist support;	1
Paper no. 7 Construction of the basic pattern for the product - Skirt for women;	1
Paper no. 8 Construction of the basic pattern for the product - Dress for women;	1
Paper no. 9 Construction of the basic pattern for the product - Dress for women - continued;	1
Paper no. 10 Construction of the basic pattern for the product - Men's shirt;	1
Paper no. 11 Principles of transformation of the basic pattern for different clothing products;	1
Paper no. 12 Obtaining templates and grading the skirt pattern;	1
Paper no. 13 Making the framing of the templates on the textile material;	1
Paper no. 14 Recoveries.	1

## VI. Bibliography

1. BRUBARIU A - Proiectarea îmbrăcămintei , Rotaprint I.P.Iași, 1989;
2. MITU S - Bazele tehnologiei confecțiilor textile , Editura Gh. Asachi , Iași 1998;
3. HOBLEA Z - Structuri textile. Structura și proiectarea îmbrăcămintei, Editura Gh. Asachi, Iași, 1999.
4. CACOVEANU M. –Proiectarea tiparelor în designul vestimentar. Ed. Clusium 2003
5. FILIPESCU E. – Proiectarea constructivă a modelelor. Editura Gh. Asachi , Iași 1998
6. FILIPESCU E., AVADANEI M. – Structura și proiectarea confecțiilor textile.- Îndrumar de laborator. Ed. Performantica Iași 2007

## 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 at least 100%, active, relevance of the issues raised.	
Lecture/ Seminar	In order to evaluate the whole subject must be prepared, the evaluation is done in rows, each line having 10 subjects, in order to obtain grade 5 the student must solve 5 subjects correctly, and for grade ten the correct completion of the 10 subjects	40%
Laboratory	Evaluation at the laboratory activity is performed based on tests regarding the theoretical preparation part of the paper, based on the way of active participation in the papers.	60%

## VIII. Learning outcomes:

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.

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.

Application of basic principles and methods for the design of textile garments on aesthetic criteria

Course coordinator,  
Ş.l.dr.ing. Simon Andreea Anca