Basic data of the subject	
Academic Unit:	**Faculty of Architecture, Design and Wood Technology**
Program:	**Design and Constructions of Wooden Products**
Subject title:	**Anthropometry and Ergonomics**
Study level:	**Bachelor**
Subject status:	**Mandatory**
Year of study:	**I**
Number of hours per week:	**3**
Value of credits – ECTS:	**6**
Lecturer of the subject:	
Contact details:	
Subject description:	The subject is designed to inform students about: Dimensions of the human body-Anthropometric part. General knowledge on Ergonomics. Interior spaces and basic design standards. Furniture and Architecture. Grouping furniture according to their service. General rules for furnishing residential apartments. Anthropometry and human-furniture ratio. Dimensions of the human body in different attitudes. Furniture dimensioning for various functions. Analysis and evaluation of realized projects.
Purpose of subject:	The purpose of this subject is for students to gain basic knowledge. Dimensions of the human body in a relaxed state of standing, sitting and lying down. Body dimensions in dynamic and working condition. Dimensioning of furniture based on the purpose of use and their normal functioning. Good organization of space in furnishing different spaces.
Expected learning outcomes:	After the successful completion of this subject the student will be able to: • Know how to make body measurements according to different age groups.

	• Know how to form database-tables and graphs • Know how to dimension the furniture for the respective ages and functions. • Know how to organize furniture in architectural spaces. • Know how to make the complete Anthropometric-Ergonomic design of a furniture.

Contribution to student workload (which should correspond to the students learning outcomes)			
Activity	**Hours**	**Days/week**	**Total**
Lectures	2	15	30
Theoretical / laboratory exercises	1	15	15
Practical work			
Contacts to the Lecturer / Consultations	1	15	15
Field exercises			
Tests, student seminars	2	1	2
Home work	2	30	30
Time of self-study (in the library or home)	2	20	40
Final preparation for the exam	4	4	16
Time spent in assessment (tests, quiz, final exam)	4	1	4
Projects, presentations, etc.			
Total			**150**

Teaching methodology:	Lectures and exercises with graphic works combined with cases of analysis and class discussions
Assessment methods:	Regular attendance at lectures and exercises 10%. Delivery and acceptance of the completed project-course with 40% Final exam evaluated with 50% of the (mark)

	grade. The exam consists of questions with possible answers, graphic tasks.
Literature	
Basic literature:	1. Julius Panero and Martin Zelnik Human Dimension & Interior Space, New York, 1979. 2. John Wiley & Sons: Ergonomik at work, Inc, 1987/1996.
Additional literature:	3. Schmidtke,H.: Ergonomi, Munhen-Wien, 1993.

Designed plan of teaching:

Weeks	**Lecture to be held**
Week 1:	**Presentation of syllabus**
Week 2:	**Ergnomic and its tasks related to Anthropometry.**
Week 3:	**The positions of the human body and its characteristic dimensions.**
Week 4:	**Data known so far for body measurements**
Week 5:	**Analysis of dimensions in sitting position for chairs.**
Week 6:	**Test I**
Week 7:	**Practical visit**
Week 8:	**Offices, reception areas and conference rooms**
Week 9:	**Galleries, food warehouses and hairdressing facilities.**
Week 10:	**Medical treatment rooms**
Week 11:	**Spaces for gymnastic exercises**
Week 12:	**Ergonomic solution of furniture for sleeping**
Week 13:	**Solving furniture for the kitchen**
Week 14:	**Armchair design with ergonomic dimensions**
Week 15:	**Final student course check and evaluation.**

Academic Policies and Rules of Conduct:
Regular attendance, keeping calm and active engagement in dialogue during lectures and exercises is mandatory.