

# 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>INDUSTRIAL ECONOMICAL ENGINEERING</b>

## I. Course Name: Control and Quality Auditing in the Leather Manufacturing Industry

## II. Course Details

No of hours/week						
Code	Semester	Credits	Lecture	Seminar	Laboratory	Project
<b>IEMI-0435</b>	<b>VIII</b>	<b>3</b>	<b>2</b>	-	<b>1</b>	-

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

Associate Professor PhD. Eng., Albu Adina-Victoria, adina\_victoria@yahoo.com

## IV. Course objectives

- mastering the general principles that highlight the fundamental aspects regarding the quality of materials obtained from leather, as well as improving technological processes in order to produce quality products.
- understanding the manner of developing the expansion of quality control in leather clothing and footwear enterprises, performance indicators and quality levels

<b>V. Course content</b>	<b>No. of hours</b>
<b>V.1. Lecture (chapters/subchapters and paragraphs)</b>	
Notions of legislation and auditing of quality systems specific to leather clothing and leather footwear enterprises. Standardization bodies, standards, norms. Audit of a leather clothing and footwear enterprise.	2
Ensuring the quality of clothing and footwear parts during cutting operations. Ensuring the quality of fabric and leather substitute parts during cutting operations; Ensuring the quality of rigid leather parts during cutting operations.	2
Quality assurance in the processing, fitting and assembly operations of parts for shoe uppers and clothing parts.	2
Quality assurance in the processing operations of rigid parts for footwear. Quality assurance in the processing operations of rigid parts common to all manufacturing systems; Quality assurance in the processing operations of rigid parts for footwear, specific to manufacturing systems.	2
Quality assurance in shoe pulling, soling and finishing operations. Quality assurance in upper pulling operations on the last; Quality assurance in shoe soling operations.	2
Quality assurance in footwear finishing operations.	2
Ensuring the quality of execution of operations in the clothing and footwear manufacturing flow by identifying relationships between operations, defects, causes, prevention and remedial measures.	2
Technical quality control of clothing and footwear on the manufacturing flow and finished product. General information on CTC on the manufacturing flow and finished product.	2
Technical quality control of flexible parts after cutting operations.	2
Technical quality control during cutting and processing operations of rigid parts for shoe uppers and clothing parts.	2
Technical quality control of the uppers after the processing, fitting and assembly operations of the leather parts.	2
Technical quality control of shoemaking, sole making and finishing operations and clothing finishing.	2
Technical quality control of finished footwear and finished clothing.	2
Visual inspection and measurement of footwear and clothing parameters.	2
<b>V.2. Laboratory/Seminar/Project:</b>	
The framework content of a quality manual	1
Synthesis of quality concepts, according to ISO standards	1
Organization and duties of the quality control department.	1

Requirements imposed on leather clothing and footwear products, obtained through marketing studies.	1
Specifications in contractual relations between leather producers and leather clothing and footwear manufacturers.	1
Ensuring the quality of critical areas of leather clothing and footwear products, based on aesthetic criteria.	1
Analysis and verification of the zero series of leather clothing and footwear.	1
Technological control program for ensuring the quality of leather clothing and footwear products.	1
Quality control sheet for an operation in the manufacture of leather clothing and footwear.	1
Product areas audited in terms of the accuracy of technological processing of leather clothing and footwear.	1
The main dimensions of leather clothing and footwear products and measurement procedures.	1
Organization of technical quality control in leather clothing and footwear enterprises	1
Characterization of specific defects in leather clothing and footwear	
Applying risk methods to sewing leather clothing and footwear products. Knowledge check	1

## VI. Bibliography

<ol style="list-style-type: none"> <li>1. Albu Adina-Victoria – Footwear quality assurance and control on the manufacturing flow – Course notes, E-Learning (e.uoradea.ro), Oradea, 2025</li> <li>2. Albu Adina-Victoria – Footwear quality assurance and control on the manufacturing flow, Laboratory notes, E-Learning, e.uoradea.ro, Oradea, 2025</li> <li>3. Ionescu C. Footwear quality assurance and control. Publishing house “Gh. Asachi” Iași, 2001.</li> <li>4. Ionescu C., Footwear quality assurance and control on the manufacturing flow, Publishing house University of Oradea, 2002.</li> <li>5. Ionescu Luca C., Legislation and auditing of quality systems, Publishing house Performantica Iași, 2007</li> <li>6. Moiescu E., Technical quality control, Publishing house “Gh. Asachi” Iași, 2000</li> <li>7. Oana Ioan Pavel, Quality control and audit – Publishing house University of Oradea, 2008</li> <li>8. SR.EN.ISO 9001:2008. Quality management systems</li> <li>9. SR EN 29000. Quality management and assurance</li> </ol>
---

## VII. Grading criteria

Activities	Assessment	% of final grade
Exam	<p>Written exam:</p> <ol style="list-style-type: none"> <li>1. Requirements to get the minimum grade for passing the exam Knowledge and understanding of the course content at the level of basic ideas. For the minimum grade, the student must correctly solve 5 questions on the final exam. Solving at least half of the quizzes in the written exam.</li> <li>2. Requirements for the maximum grade Knowledge and understanding of the course content at the high level of ideas. For the minimum grade, the student must correctly solve 10 questions on the final exam. Solving all the quizzes in the written exam.</li> </ol>	70%
Seminar/Laboratory/Project	The evaluation of the Laboratory activity is based on tests (10%), the paper produced and presented (10%), and the method of active participation in debates (10%).	30%

## VIII. Learning outcomes:

The student/graduate has knowledge of elementary concepts and notions related to principles, laws, basic notions in the field of engineering, analyzes and processes their application in the case of quality control.

Done on the date: 20.09.2025

Approved in the FC meeting: 24.09.2025

Course coordinator,

**Associate Professor PhD. Eng., Albu Adina-Victoria**