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“Adaptation of the Italian methodology to the Region of Murcia. I-VET”

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AppShoe**

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Descripción del Documento	
Nombre del documento	Adaptation of the Italian methodology to the Region of Murcia
Resumen	Summary of the currículo, courses and modules designed, including basic aspects for the new apprenticeship.
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1. INTRODUCTION: CHRONOLOGY, TEMPORALIZATION AND ORGANIZATION OF CONTENTS

This curriculum has been favorably reported by the Regional Advisory Council for Vocational Training and will be subsequently taken to two institutional bodies specialized in regulatory review for final adjustment and ratification. In the first place, the School Council of the Region of Murcia that may provide observations to conclude considering the agreement of the Legal Council of the Region of Murcia.

The learning plan is developed during 2342 hours globally, corresponding 1644 hours in the center and 698 hours of direct learning in companies.

The training modules and their time application are shown in the following relation:

Middle Grade Training Cycle: Footwear and Fashion Complements

KEY / PROFESSIONAL MODULE/ CURRICULUM HOURS/ WEEKLY HOURS

0611. Footwear and trends.	90	3
0116. Principles of electromechanical maintenance.	90	3
0267. Cutting of materials.	170	5
0275. Textiles and leather.	162	4
0269. Industrial manufacturing.	290	9
0608. Training and career guidance.	90	3
M107. Technical English for footwear and fashion accessories.	90	3
0603. Mounting and finishing of leather goods.	60	3
0604. Mounting and finishing of footwear.	247	10
0605. Custom shoe making processes.	60	3
0606. Tailor made and orthopedic footwear manufacturing techniques.	165/ 8	
0607. Transformation of footwear for shows.	70	3
0609. Company and entrepreneurial initiative.	60	3
0610. Training in work centers. (*)	698	
Total hours curriculum	2342	
Total weekly hours per course	30	

We must emphasize that during the learning period within the companies each student receives financial compensation as a grant established at approximately € 2.68 per hour of assistance, being subsidized by public incentives to 100% contributions to Security Social.

This adaptation of the official curriculum applied to the employee in the rest of Spain is due to the collaborations received from the rest of the project partners when implementing the need to develop skills that work with the contents of:

Textiles and Leather:

- Jute: history, production and properties of fiber.
- Process of obtaining jute fiber.
- Applications and uses of jute.
- Storage, cleaning and maintenance of jute products.

Mounted and Finished Footwear:

- Manufacturing process of jute footwear: braiding, warping, sewing, vulcanizing, assembling and finishing.
- Products and raw materials for assembling and finishing jute footwear.
- Factors and quality criteria for the assembly and finishing of jute footwear.
- Machinery and tools used in the manufacture of jute footwear.
- Techniques for assembling jute footwear: manual / automatic, glued / sewn (buttonhole point), and finishes.

The totality of the contents taught is left, both in the educational center and in the companies with the following curricular development.

2. PROFESSIONAL MODULES

Professional module: Footwear and trends

Code: 0611

Contents:

Justification and motivation of the person to put on and use leather goods:

- Influential factors in the human being to cover the feet: need, protection and safety, aesthetics, social position, transport and conservation of objects, differentiation, identification and belonging to a group.
- Professions and occupations with risk to the integrity of the feet.
- Social meaning of footwear types and models throughout history.
- Utilities of leather goods.
- Footwear as a symbol of a trade or profession.

Explanation of the evolution of footwear and leather goods:

- Footwear of the primitive collectives. Types. Applications.
- Footwear and leather goods in the great empires of antiquity: Egypt, Greece and Rome. Importance of shape and color. Types. Materials.
- Evolution of footwear and leather goods until the tenth century. The brotherhoods in the X-XI centuries. Structure, legislation and social purposes.
- Footwear in the XII-XIII centuries. Peak shoes.
- The Spanish shoe in the sixteenth century.
- The fashion and appearance of the heel in the seventeenth century.
- The shoe in the Renaissance. Its forms and component materials.
- The fashion of footwear during the baroque (ties, large buckles, embroidery and precious stones, among others).
- The fashion of footwear in the Rococo.
- Leather goods in history:
 - Body protection items.
 - Purses, sacks and pouches for everyday and general use. Features.
 - Belts, belts, pods and others.
 - Travel items
 - The bag Symbology and aesthetics.
- Influential historical milestones in the evolution of footwear and leather goods until the early 20th century:
 - Armed conflicts of the eighteenth century and the importance of the boot.
 - The French Revolution and the appearance of the current fashion spirit.
 - Armed conflicts of the twentieth century. World wars.
 - Other fashion prescribers. The customs and regional uses.

Description of the footwear and leather goods industry throughout history:

- The brotherhoods in the X-XI centuries. Structure. Legislation. Social purposes.
- The guilds Its appearance in the eleventh century. Structure, classification and norms.
- The profession of shoemaker. Requirements
- The corporations. Appearance.
- First machines for fixing heels and soles.
- The industrial manufacture Expansion through Europe and America.
- Enrichment of the footwear industry.
- Craft quality
- Craft workshops in the last centuries.
- Appearance of shoe numbering.

Preparation of footwear sketches and leather goods:

- Motives and inspiration of designs. Social events, artistic events and phenomena, among others.
- Application of color combinations. Study of color Colorimetry computer programs.
- Fashion sketches. Types. Realization.
- Proportions in the realization of figurines. Basic pattern.
- Application of motifs in different materials and textures.

Identification of trends, fashions and designs of footwear and leather goods:

- Current types of footwear. Characteristics and properties
- Leather goods. Uses and utilities.
- The bag Its importance in dressing.
- The sports shoes. Adaptations to the different sports.
- Sports articles of leather goods. Special features.
- The specific safety footwear. Its characteristics and properties according to the risk.
- Leather goods for safety and personal protection.
- Evolution of design and creative trends.
- Current socio-cultural currents and professionals.
- Fashion trends in clothing. Influence on footwear and leather goods.
- Tokens and dossiers.
- Identification of a style. Urban tribes, musical movements, clubs and specific associations, among others.
- Music rooms.
- Fashion fairs.
- Fashion shows on catwalks.
- Technical journals

Professional module: Principles of electromechanical maintenance

Code: 0116

Contents:

Identification of mechanical elements:

- Materials Behavior and properties of the main materials of the equipment and facilities.
- Nomenclature and marketing acronyms.
- Kinematics and dynamics of machines. Basic concepts and fundamentals.
- Mechanical elements transmitters of movement: description, operation, symbology and maintenance of first level.
- Mechanical elements transforming movement: description, operation and symbology.
- Mechanical elements of union: description, operation and maintenance of first level.
- Auxiliary mechanical elements: description, operation and maintenance of the first level.
- Norms of prevention and safety in the handling of mechanical elements.
- Assessment of the wear of the mechanical elements: lubrication and preventive maintenance.
- Identification of mechanical elements in process equipment.

Recognition of elements of pneumatic installations:

- Pneumatics Basic concepts and fundamentals.
- Properties of compressed air.
- Compressed air production and treatment circuits: description, elements, operation, symbology, maintenance and safety measures.
- Compressed air distribution networks: characteristics and construction materials.
- Pneumatic regulation and control elements: description, operation, symbology, maintenance and safety measures.
- Pneumatic actuating elements or actuators: description, operation, symbology, maintenance and safety measures.
- Reading of manual, semiautomatic and automatic pneumatic circuit diagrams.
- Efficient use of compressed air in the processes of the sector.
- Identification of pneumatic components in process equipment.
- Applications of compressed air in the automation of processes.

Recognition of elements of hydraulic installations:

- Hydraulics Fundamentals and basic principles.
- Hydraulic fluids Properties
- Hydraulic unit: fundamentals, elements, operation, first level maintenance and safety measures.
- Hydraulic elements of distribution and regulation: description, operation, symbology, maintenance and security measures.
- Reading of hydraulic circuit diagrams.
- Hydraulic elements of work: description, operation, symbology and maintenance.
- Environmental impact of hydraulic installations.
- Most frequent anomalies of hydraulic installations and corrective measures.
- Identification of hydraulic components in process equipment.

- Applications of hydraulics in the automation of processes.

Identification of elements of electrical installations:

- Electric circuit Concept and characteristics
- Elements of electrical circuits.
- Electrical system Three-phase and single-phase current.
- Fundamental electrical quantities: definition, units.
- Fundamental relationships Calculation of basic magnitudes of the facilities.
- Elements of control and maneuver of electrical circuits: description, symbology and operation.
- Elements of protection of electrical circuits: description, symbology and operation.
- Regulation on electrical installations (REBT) and prevention of occupational risks.
- Renewable and non-renewable sources for obtaining electricity.

Identification of electrical machines and their coupling in industrial equipment:

- Magnetism and magnetic field. Concept.
- Relationship between magnetism and electricity. Magnetic induction.
- Foundation of electrical machines.
- Static and rotary electric machines. Typology and characteristics.
- Classification of electrical machines: generators, transformers and motors.
- Construction parts. Functioning.
- Rating plate. Calculation of magnitudes of the feeding and starting installations of the machines.
- Couplings and fastenings of the machines to your industrial equipment.
- Regulation on electrical installations (REBT) and prevention of occupational risks.

Application of first level maintenance techniques:

- Objectives of first level maintenance.
- Preventive maintenance and corrective maintenance. Concept and differences.
- Preventive maintenance operations: cleaning filters, changing blind discs, tightening closures, conditioning rafts, cleaning lighters, greasings, purges and regulatory reviews.
- Corrective maintenance operations (replacement of elements).
- Regulation on electrical installations (REBT) and prevention of occupational risks.
- Legislation and current regulations on the maintenance of equipment.
- The human factor in the maintenance of first level.

Professional module: Cutting of materials

Code: 0267

Contents:

Making of fabrics, leather and other materials for cutting:

- Cutting sheet of components.
- Internal and external reference of the pattern.
- Marking study: manual and computerized.
- Performance calculation. Optimization procedures.
- Form of the patterns.
- Court order.
- Behavior of fabrics, skins and other materials in the cut.
- Criteria for disposition and preparation of different materials for cutting.
- Tolerances of materials. Classification.
- Distribution of patterns in different types of tissues and skins:
- Address of the pattern on the fabric.
- Angular deviation
- Systems and equipment for cutting optimization.
- Technical information

Preparation of cutting machines, equipment and instruments:

- Technical information for the cutting process.
- Conventional cutting machines, by pressure and cutting by numerical control.
- Auxiliary cutting machines.
- Operative organs and cutting tools.
- Assembly and disassembly operations of cutting machines.
- Lubricate and lubricate the machines.
- Cutting elements. Sharp. Calibrated and tuned. Rules.
- Cutting computer programs. Regulation, adjustment and application.
- Systems of security of the machines. Functioning. Testing.
- Maintenance of first level in machines and cutting tooling in confection.
- Technical documentation of machines and equipment.

Cutting of pieces:

- Tissue and skin spreading systems.
- Parameters that intervene in the cutting process.
- Cutting techniques. Conventional cut. Cutting with blades and band saw. Cut with water jet or laser. Cutting by die Computerized cutting.
- Control of cut pieces. Quality:
- Number of components
- Control of measurements.
- Pickets and drills.
- Identification of pieces. Labeled.
- Technical documentation Technical sheets. Event log.
- Compliance with labor and environmental risk prevention regulations:

- Risk prevention regulations.
- Safety regulations in the use of machines, tools and complementary cutting equipment.
- Implicit safety elements in fabric cutting machines.
- External security elements (metallic gloves, glasses and others).
- Safety conditions of the workplace.
- Ergonomics in the procedures of spreading and cutting of tissues.
- Cleaning and maintenance of machines and the workplace.
- Residues in the cutting process.

Professional module: Textiles and leather

Code: 0275

Contents:

Recognition of textiles:

- Fibers, threads and fabrics.
- Types and classification of textile materials.
- Characteristics and properties of textiles.
- Basic parameters textile materials.
- Application and use
- Standardized symbology.
- Most common types and defects.
- Procedures for identification of textile materials.
- Identification equipment and instruments.
- Schemes of the processes of obtaining textiles.
- Treatments of ennoblement: types. Characteristics and properties conferred to textile products.
- Jute: history, production and properties of fiber.
- Process of obtaining jute fiber.
- Applications and uses of jute.

Recognition of hides and skins:

- Nature and characteristics.
- Structure and parts of the skin.
- Types of skins: according to the breed of the animal, surface characteristics and type of finish.
- Scheme of the tanning process.
- Treatments prior to tanning: conservation and riverbank. Parameters and characteristics that influence the treatment.
- Tanning: vegetable, chromium and synthetic substances.
- Dyeing and greasing.
- Drying and finishing: types, characteristics and parameters.
- Characteristics and properties of tanned skins.
- Procedures for identification of tanned skins.
- Applications of finished skins in the manufacture of articles.
- Defects in the skins: raw, tanned and manufacturing.
- Manipulation and commercial classification.
- Cleaning and maintenance

Identification of complementary elements:

- Nature and characteristics.
- Commercial presentation of complementary elements.
- Trimmings and accoutrements: borders, bindings, ribbons, bieses, laces, trimmings and others.
- Accessories: zippers, buttons, ruffles, trim, vivid, draws, miter and other auctions.

- Complements of filling or reinforcement: wadding, molletón, vegetable hair and feathers, among others.
- Application of complementary elements in the manufacture of articles.

Conservation, storage and handling:

- Conservation and useful life of textile materials and products.
- Agents that shorten or disturb the useful life.
- Optimal conditions of storage and conservation: temperature, humidity and lighting.
- Manipulation criteria: symbology.
- Storage and transport criteria: stacking and incompatibility.
- Storage, cleaning and maintenance of jute products.
- Commercial presentation of textile materials and products.
- Identification rules. Symbology and nomenclature.
- Regulations on the labeling of composition and conservation.
- Occupational hazards and environmental safety regulations in handling, storage and transport.

Identification of technical textiles:

- Characteristics of technical textiles materials.
- Application of technical textiles.
- Sectors of application.
- Finishing innovation.
- Smart products and articles for clothing and footwear. Identification and applications. Future trends.

Professional module: Industrial manufacturing

Code: 0269

Contents:

Selection of technical information for industrial clothing:

- Operations in industrial manufacturing processes.
- Diagrams and lists of phases.
- Organization, operation and production in industrial manufacturing processes.
- Plant distribution (machine representation and route diagrams).
- Technical sheets.

Preparation of machines and assembly equipment in industrial clothing:

- Identification of machinery and equipment.
- Fixed cycle machines and variable cycle machines.
- Programmable industrial manufacturing machines.
- Mechanical action machines for finishing.
- Thermohydraulic action machines for finishes.
- Electronic machines for finishing.
- Auxiliary machines
- Assembly machines by heat sealing and gluing.
- Tuning of industrial manufacturing machines.
- Fixation and control of times and temperatures in finishing machines.
- Specific security systems. Functioning. Testing.
- Maintenance of first level in machines and assembly tooling in industrial confection. Change of needles and systems of drag in the industrial machines of confection. Galgado of the mobile elements in the industrial machines of confection. Lubrication and lubrication of the gears and operating elements of industrial manufacturing machines.
- First level maintenance in the finishing machines of the manufacturing process. Steam boilers Compressed air. Water levels.
- Security systems according to type and functionality of the machine.

Assembly of components and trimmings:

- Procedures for handling industrial assembly machines.
- Industrial sewing systems according to the type of materials to be assembled.
- Types and types of needles according to the material to be made in textile and leather:
 - Fine point needles.
 - Round tip needles.
 - Die tip needles.
- Types and types of trawls in industrial clothing machines:
 - Simple drag.
 - Double drag.
 - Triple drag.
 - Drag by rollers.

- Manual drag (without mechanical drag).
- Stitches and seams in industrial clothing in textile and leather:
 - ISO standard: group stitches: 100-300-400-500-600.
 - Stitches formed by the combination of stitches from the previous groups.
 - Superimposed seams class SS.
 - LS class overlapping seams.
 - Seams trimmed FS scalse.
- Stitching in the industrial textile and leather confection:
 - Edge trim stitching: EF class.
 - Stitching of adornment: Class os.
 - Fittings and appliqués in industrial clothing.
 - Manufacture of textile garments: process and execution.
 - Finishing of ready-made garments.
 - Classification and grouping of skins for clothing.
 - Preparation of the skins for gluing. Utensils.
 - Sticking of the skins. Products: adhesives and glues.
 - Heat sealing.
 - Seams in the assembly of fabrics and leather.
 - Specific characteristics of the machines for making leather.
 - Quality standards in textile industrial clothing.

Quality control in processes:

- Quality concept
- Factors that intervene in the quality of a garment or textile and leather article.
- Quality standards.
- Quality of the process (machines, tools and tools).
- The quality in the confection and finishing of textile garments.
- The stitch according to type of textile substrate.
- The sewing according to type of garment and textile.
- The finishing, folding and bagging in textile garments.
- The quality in the manufacture of leather garments.
- The needle and the stitch in the skin confection.
- Finishing, folding and bagging in leather garments.
- Recognition of the records of the quality management system.
- Plan for continuous improvement.
- Documentation related to the assembly: technical sheets and procedures manual.
- Incident registration.

Compliance with the rules for the prevention of occupational risks and environmental protection in industrial manufacturing processes:

- Risk prevention regulations.
- Safety regulations in the use of machines, tools and complementary equipment for assembly and finishing in industrial clothing.

- Safety rules in operations with adhesives.
- Individual and environmental safety standards in the use of chemical products in special finishing treatments.
- Safety regulations for the storage of garments and textile and leather articles.
- Implicit safety elements in the assembly and finishing machines in industrial manufacturing.
- External security elements (metallic gloves and glasses).
- Safety conditions of the workplace.
- Ergonomics in industrial clothing.
- Cleaning and conservation of the workplace.

Professional module: Assembly and finishing of leather goods.

Code: 0603

Contents:

Preparation of components of leather goods:

Technical and production sheets in the assembly of leather goods.

- Technical and production sheets in the finishing of leather goods.
- Furs, fabrics, plastics, reinforcements (cardboard), nozzles, ornaments, buckles and hardware in general.
- Diagram of processes of assembly and finishing of leather goods.
- Process optimization
- Preparation of pieces for the assembled or adapted.
- Shoulder bags and handles.
- Prepared operations.
- Handling and set-up of the necessary elements in the assembly and finishing of leather goods.
- Characteristics of the job according to indications of the technical sheet.
- Organization of the work post according to its operative characteristics.
- Security conditions

Preparation of machinery and equipment for assembling and finishing leather goods:

- Mounting machines for leather goods. Functioning. Manuals and instructions sheets.
- Materials, tools and tools.
- Sewing machines for placing linings, closing bellows and mouths.
- Utensils: tongs and blades.
- First level maintenance of the different machines involved in the assembly process.
- Tuning machines for finishing leather goods:
- Steam irons
- Nailers
- Labeling machines
- Placement of eyelets and rivets.
- Security conditions

Assembling of leather goods:

- Assembling the interior and exterior parts: Suitcases. Briefcases Cases Belts.
- Assembling bags of different uses.
- Mounted portfolios, executive, collegiate and a-tache.
- Assembled of diverse special works in leather goods.
- Techniques according to the type and nature of the materials used.
- Seam classes.
- Types of gluing, stapling and heat sealing.
- Union by ultrasound.
- Union by high frequency.
- Assembled of components of diverse forms, use and characteristics: Linings. Hardware Wheels. Handles Hinges Nozzles Closures.

- Position of the components in the article. Clearances and tolerance indicated in the technical sheet.
- Functioning of the components equipped with mobility. Accuracy and security.
- The quality control in each one of the operations of the process.
- Security conditions

Application of material manuals and semi-finished parts to rigid base articles:

- Adaptation of semi-finished parts to nozzles.
- Techniques that must be applied according to the types of articles that will be adapted.
- Operation of nozzles and closures.
- Correct adaptation and fit of pieces.
- Finishing of leather goods:

Machines, tools and tools for finishing leather goods:

- Treatment of skins and textiles.
- Irons
- Cleaning machines
- Labeling machines
- Bagging machines.
- Punching machines.
- Riveting machines.
- Applique and handles placement.
- Cleaning of leather goods according to the type of materials.
- Cleaning of textile structure elements.
- Cleaning of leather components.
- Cleaning other types of materials.
- Control and identification of defects.
- Repair methods of the solventables with finishing processes.
- Finishes for the final presentation of the article of leather goods: labeling, stuffing of the article, filling of paper and other appropriate materials according to type and function of the article and bagging of the different articles of leather goods.
- Security conditions
- Final quality control of finished leather goods.
- Documentation Types and completion.

Professional module: Shoe assembly and finishing

Code: 0604

Contents:

Selection of information:

- Technical sheets for assembling and finishing.
- Technical language in the footwear industry.
- Products and raw materials assembled and finished.
- Factors and criteria in the quality of the assembly and finishing.
- Industrial process diagrams for each type of assembly and finishing.
- Characteristics of the assembling and finishing cards.
- Schematics of the assembling and finishing phases.
- Types of auxiliary products for assembling and finishing.

Preparation of machines, tools and tools:

- Manuals of operation, utilization and tuning of assembling and finishing machines.
- Process control variables.
- Materials, tools and tools for the assembly and finishing of footwear.
- Mounting machines: types and characteristics.
- Carding and pasting machines: types and characteristics.
- Floor placing machines: types and characteristics.
- Machines by numerical control: (assemble, card, paste floors, aging and give adhesive, among others).
- Heels machines.
- Floor gluing machines.
- Finishing machines: types and applications.
- Maintenance operations of first level and conservation of machines, tools and tools.
- Security conditions
- Vulcanized molds
- Injectors
- Auxiliary machines: embastar, nailed palmillas, halogenar, deviate and others.
- Preparation of machines, tools and tools for assembly and finishing.

Mounted footwear:

- Preparation operations of the assembled.
- Lasts, insoles, cuts, materials and components for each type of assembly.
- Mounted footwear:
- Types and characteristics: blake, halley or billy, good-year, glove or california, kiowa, guaracha and others.
- Manual and automatic.
- Parameters: molding times, machine temperatures, plate pressure and others.
- Quality criteria
- Security conditions.
- Nailing mounted plants.

Union of the floor to the cut:

- Preparation of mounted shoes, components and floors for each type of union.
- Manuals of operation, use and tuning of manual and automatic floor gluing machines.
- Floor placement:
- Types: Pasted, sewn and mixed.
- Sewing classes: split and others.
- Adhesives and tails: characteristics.
- Parameters: pressing pressure, time, temperature and others.
- Vulcanized and injected: types and parameters.
- Security conditions
- Quality criteria
- Manuals of operation, use and tuning of injection machines, vulcanized molds and others.
- Injectors
- Placement of spikes (long and short).
- Placement of wedges and heels.

Shoe finishing:

- Types: Aniline, pigmented, natural wax and others.
- Preparation: cleaning, dyeing and others.
- Quality criteria of the various types of finish.
- Shoe finishing machines.
- Tools and accessories for shoe finishing.
- Packing
- Security conditions
- Preparation operations of the finish.
- Labeling
- Packaging
- Auxiliary machines and transport.
- Times and parameters of conformation and others.

Assembly and finishing of jute footwear:

- Manufacturing process of jute footwear: tranzado, warping, sewing, vulcanized, assembled and finished.
- Products and raw materials for assembling and finishing jute footwear.
- Factors and quality criteria for the assembly and finishing of jute footwear.
- Machinery and tools used in the manufacture of jute footwear.
- Techniques for assembling jute footwear: manual / automatic, glued / sewn (buttonhole point) and finishes.

Professional module: Made-to-measure shoe manufacturing processes

Code: 0605

Contents:

Description of custom and orthopedic footwear:

- Custom and orthopedic footwear: classification and types. Applications and target users.
- Functional and aesthetic characteristics.
- Footwear numbering systems (long and wide).
- Areas of use.
- Comfort and safety
- Parts and components
- Fashion trends in the manufacture of custom footwear and orthopedic.
- Evolution and styles.

Explanation of tailor-made and orthopedic footwear manufacturing processes:

- Differences between custom manufacturing and industrial manufacturing.
- Functional structure of the footwear and orthopedic footwear industry.
- Basic operations
- Manufacturing
- Embastado.
- Nailing of plants.
- Preparation of stops and abutments.
- Sewn by hand.
- Chinching.
- Paid
- Machines used in the manufacture of custom footwear and orthopedic.
- Technical sheets, manuals and instructions for use.
- Auxiliary tools and accessories necessary for its elaboration, according to the materials used.
- Manuals and rules for using machines, accessories and tools, tuning and optimal maintenance.
- Safety rules and personal protection means.

Relationship of tissues, skins, leathers and complementary elements:

- Technical requirements of the materials that have to be used in the manufacture of custom and orthopedic footwear.
- Selection of skins, textiles, laminates, foams and reinforcements, among others: origin, properties and characteristics.
- Materials used in the artisan manufacture: waxes. Pigeon threads.
- Butts and leather buttresses. Starches Viras and fences.
- Anatomical insoles, wedges, elevators, elevators, splints, abutments and special stops, among others: characteristics and technical and health requirements.
- Special materials for the manufacture of footwear for shows:
- Platforms, vintage ornaments and acclimated.
- Metal tops, jewelery, serigraphed and engraved labels.

- Performance required by fashion, for therapeutic and comfort needs: dimensions, thickness, flexibility and resistance, among others.
- Trimmings and secondary and auxiliary components: adaptation according to the requirements of custom and orthopedic footwear.
- Quality control of the selected materials: skins, threads, reinforcements, floors, quilts and supplements, among others.

Selection of materials and equipment used in the adaptation of lasts for custom and orthopedic footwear:

- Technical requirements of the materials used to adapt the custom and orthopedic shoe lasts: rigidity, resistance and stability.
- Resins, stucco, plaster, fiberglass, corks and others.
- Quality control
- Rules for handling and composition of selected materials.
- Machines, accessories and tools used to adapt lasts in the manufacture of custom and orthopedic footwear.
- Adaptation of lasts by computer programs:
- Scanning and scanning of the foot.
- Transformation of the base last.
- Machining
- Biomechanical templates
- Operating manuals of machines, accessories and tools.
- Safety rules and personal protection elements.
- Legislation on security in the Autonomous Community.

Preparation of base patterns for adaptation to the modifications made in lasts or models:

- Technical requirements for the adaptation of the base patterns.
- Check of the variations of measures in the lasts.
- Variations in the patterns by incorporation of templates, wedges and platforms, among others.
- Use of material, machines, tools and tools to obtain patterns.
- Realization of patterns adapted to the new requirements of the models.

Professional module: Made-to-measure and orthopedic footwear manufacturing techniques.

Code: 0606

Contents:

Taking anthropometric measurements:

- Anatomy of the lower extremities: bones, muscles and joints.
- Malformations and pathologies of the foot:
- Type of toe length: Greek, Egyptian, square and its variations.
- Deformities due to the end of the shoe, heel and sole.
- Malformations of the foot and leg: fingers fused or cleft, legs in X or in O.
- Types of plantar arches: flat, equine, talus, valgus and varus.
- Callosities.
- Bunions
- Expressions of the march and influential factors.
- Optional prescriptions Interpretation.
- Standard anthropometric measures: heights, lengths, widths, perimeters, angles and axis deviation.
- Taking measures of foot and leg.
- Techniques: foot in state of charge and foot in discharge state.
- Materials and instruments: tape measure and frame.
- Molds of the feet to obtain lasts or templates.
- Obtaining techniques. Materials employed.

Adaptation of lasts to insoles and orthopedic supplements:

- Base lasts. Description and types.
- Templates and other orthopedic supplements. Description and types.
- Adaptation of base last. Addition or subtraction techniques.
- Adaptation to the molds obtained by mold. Aesthetic foundations
- Increase volumes to lasts to incorporate templates or supplements.

Development of models:

- Functional and biomechanical characteristics of footwear.
- Functional and biomechanical characteristics in sports, footwear for the elderly, children, safety, custom-made and specific for pathologies.
- Models Types. Elaboration.
- Elements: orthopedic, aesthetic or functional: bluchers, English, manolettinas, salons and mercedes, sandals and boots.
- Basic fit points in the last.
- Adaptation of the model. Fit to the last and orthopedic, aesthetic or functional elements.
- Climb Stages of obtaining the climb.
- Types of manufacture and characteristics for climbing: blake, good-year, glove, guaracha, kiowa, halley and willy.
- Patterns of the climbing and orthopedic elements. Obtaining patterns. Adaptation of patterns.
- Types of margins to be applied in the cutting: turned, enter, seams, festoons, vivid, trimmings, trimmed lining and molded.

Assembled custom footwear and orthopedic:

- Materials, components and orthopedic or functional elements:
- Templates Platforms Cradle. Cortes aparados. Plants. High heel shoes. Floors.
- Machines, tools and specific tools. Preparation for your use.
- Preparation for the artisan assembled:
- Bumpers.
- Buttresses.
- Manual molding.
- Stuffing of fillings.
- Crack preparation.
- Assembled of handmade footwear:
- On the last of the embastado cut.
- Splice (stitched plant, cut and turn).
- Fillings.
- Placement of shank.
- Glued and / or nailed floors, heels, platforms and wedges.
- Safety measures in the fitting of footwear and orthopedic.

Customized and orthopedic footwear finishing:

- Products, materials, tools and accessories for the traditional finishing of shoes: dyes, brushes and blades, among others. Selection and preparation.
- Finishing operations for handcrafted footwear: cutting of drafts and holes, cleaning, plant placement, standard or orthopedic, repair of damage, edge tinting in mounted cuts, edge finishing on floors and heels, and brushing (polishing and polishing).
- Quality, aesthetics, comfort and solidity of the finished footwear.
- Security measures in the finishing of artisanal footwear.

Professional module: Transformation of footwear for shows.

Code: 0607

Contents:

Description of the different items and accessories for the show and popular or folkloric use:

- Genres and disciplines of the world of the show: theater, dance, cinema, animation and folklore, among others.
- Footwear of different styles and times for the show. Types and characteristics.
- Accessories used in shows. Types and fundamental characteristics.
- Types of articles suitable to each show.
- Footwear of gender: classical and Spanish dance, among others.
- Use of footwear on stage or show.
- Folk shoes and popular wear.
- Scenic requirements of footwear for shows.
- Scenic applications of leather goods and accessories.

Relationship of the different types of footwear and accessories with the artistic disciplines and the scenic needs:

- It adapts footwear models to the needs of adaptation and to the scenic requirements.
- It relates the historical documentation and the use of manners with the articles that have to be developed.
- Relate materials and objects with the requested effects.
- Special effects, superimposed pieces and simulations.

Adaptation of footwear and accessories for the show:

- Designs and technical sheets. Interpretation.
- Lasts and specific adaptations for spectacle footwear: tips, heights and breaks, among others.
- Specific components and supplements for use on stage: platforms, wedges and heels, among others.
- Specific materials for footwear and accessories of the show:
- Optimization of materials.
- Fabrics, leathers, leathers and synthetics: types of finishes.
- Threads: thickness, resistance and quality.
- Glue and glues, silicones and solvents: characteristics, conservation and safety in use.
- Ornaments, trimmings and auxiliary accessories used in footwear.
- Dyes, pigments, waxes and other finishing products. Types and applications.
- Machines, equipment, accessories, tools and products for the manufacture of footwear and accessories for shows.
- Preparation of footwear with manual marking.
- Pickets, perforations or figured for the placement of ornaments, trimmings and fixed or removable pieces.
- Preparation of specific pieces that must adapt to each stage need.
- Specific techniques of cutting, assembling, assembling and finishing.

- Shoe transformation: disassembled, unstitched and detached.
- Ornamental applications
- Safety rules in the manufacture of footwear and accessories for shows.
- Personal protection equipment

Decoration of base materials:

- Designs and figurines. Study and analysis
- Adaptation and transformation of drawings.
- Machines, equipment, utensils, products and materials for painting or aging.
- Painting techniques.
- Molds and templates. Applications.
- Techniques of aging, wear and tear:
 - Preparation
 - Applications
 - Quality tests
 - Result Check.
 - Samplers.
- Safety rules in the decoration of base materials.
- Personal protection equipment

Development of design objects:

- Pieces or elements of different materials treated with different techniques.
- Non-conventional materials: glues, silicones, latex, lacquers and waxes, among others.
- Molds: types and functions.
- Recycling of materials as applicable and sustainable resources.
- Applications
- Results Check.
- Samplers.
- Storage of products. Safety regulations, handling, expiration, consumption order and environmental protection.
- Safety rules in the elaboration of objects with non-conventional materials.
- Personal protection equipment

Professional module: Training and career guidance.

Code: 0608

Contents:

- Active job search.
- Lifelong learning as a way to employment. The Professional Training.
- Assessment of the importance of continuing education for the career and professional career of Footwear and Fashion Accessories.
- Analysis of personal interests, aptitudes, attitudes and motivations for the professional career. Special reference to the field of footwear and fashion accessories.
- The labor market in Spain and the Region of Murcia. Trends: professions with demand and professions in recess.
- Training itineraries: setting objectives and means to achieve them.
- Identification of the training itineraries related to the Footwear and Fashion Complements Technician.
- Definition and analysis of the professional sector of Footwear and Fashion Accessories.

The job search:

•Information sources:

- Media, job boards, employment agencies, temporary employment agencies.
- Public Employment Services. The Regional Employment and Training Service of the Community of Murcia (SEF)
- Work in the Public Administration. The public offer of employment. Employment public in the European Union.
- Internet as a resource in the search for employment.

• Techniques and tools for job search:

- The Letter of Presentation.
- The Curriculum vitae.
- The personnel selection interview.
- The tests and selection tests.

Job search process in companies in the sector.

Opportunities for learning and employment in Europe. Information tools: Europass, Ploteus, among others.

Assessment of self-employment as an alternative for professional insertion. Self-employment in the sector.

The decision-making process.

Conflict management and work teams:

- Work teams: concept and characteristics.
- Assessment of the advantages and disadvantages of team work for the effectiveness of the organization.

- Work teams in the footwear sector and fashion accessories according to the functions they perform.
- Participation in the work team. Analysis of the possible roles of its members.
- Definition of conflict: types, characteristics, sources and stages.
- Methods for the resolution or suppression of the conflict: negotiation, mediation, conciliation and arbitration.
- The motivation in the work teams. Importance and techniques.

Work contract:

The right to work Concept, object, sources.

Intervention of public authorities and social agents in labor relations:

- Labor Administration: state and autonomous.
- The Social Jurisdiction
- Social agents: unions and business organizations.

Analysis of the individual employment relationship. Elements

Labor relations of a special nature and activities excluded from Labor Law.

The work contract Concept, elements and effectiveness. The trial period.

Modalities of employment contract and measures to promote hiring.

Rights and duties derived from the employment relationship.

Working conditions:

- Work time: working hours, hours and rest periods.
- Salary and salary guarantees.

The receipt of wages. Concept. Elements that make it up Completion Calculation of bases and contribution quotas.

Modification, suspension and termination of the work contract. Causes and effects.

Representation of the workers.

Collective bargaining Concept, objectives and importance.

Analysis of a collective agreement applicable to the professional field of Footwear and Fashion Complements Technician.

Situations of collective conflict, strike and lockout.

Benefits for workers in new organizations: flexibility, social benefits, among others.

Internet as a source of resources in labor matters.

Social security, employment and unemployment:

The Social Security System. Concept and purpose

Structure of the Social Security System. General scheme and special schemes.

Determination of the main obligations of employers and workers in matters of Social Security: membership, registrations, cancellations and contributions.

The protective action of Social Security. Main contingencies and benefits.

Concept and situations protected by unemployment. Duration and calculation of benefits.

Internet as a source of resources in matters of Social Security.

Professional risk assessment:

The preventive culture in the company.

Work and health Assessment of the relationship between work and health: professional risks.

Analysis of risk factors:

- Analysis of risks linked to security conditions.
- Analysis of risks linked to environmental conditions.
- Analysis of risks linked to ergonomic and psycho-social conditions. Workload, fatigue and work dissatisfaction.
- Work conditions and specific risks in the footwear and fashion accessories sector.

The evaluation of risks in the company as a basic element of the preventive activity.

Determination of possible damages to the health of the worker that may arise from the situations of detected risks.

Work accidents and occupational diseases. Other pathologies derived from work.

Occupational accidents in Spain and the Region of Murcia.

Basic regulatory framework for occupational risk prevention. Law on Prevention of Occupational Risks and main regulations of development.

Planning risk prevention in the company:

Rights and duties in matters of prevention of occupational risks.

Public bodies related to the prevention of occupational risks.

Management of prevention in the company. Modalities of preventive organization.

Documentation of prevention in the company.

- The Occupational Risk Prevention Plan.
- Risk assessment.
- Prevention planning in the company.
- Notification and registration of work accidents and occupational diseases. Main statistical indicators of accidents.
- The health control of workers.

The management of prevention in a company in the sector.

Emergency and evacuation plans in work environments.

Preparation of an emergency plan in a small or medium-sized company in the sector.

Representation of workers in preventive matters.

Responsibilities in matters of prevention of occupational risks.

Application of prevention and protection measures in the company:

Determination of prevention measures and individual and collective protection. Security signage.

Protocol of action in an emergency situation. Drills.

First aid: basic principles of action.

Surveillance of workers' health.

Professional module: Enterprise and entrepreneurial initiative.

Code: 0609

Contents:

Entrepreneurship:

- Innovation and economic development.
- Main characteristics of innovation in the activity of footwear and accessories (materials, technology, organization of the process, etc.).
- The entrepreneurial culture as a social need.
- The entrepreneurial character.
- Key factors of entrepreneurs: initiative, creativity and training.
- The collaboration between entrepreneurs.
- The action of entrepreneurs as employees of a footwear and accessories pymede. The performance of entrepreneurs as entrepreneurs in the sector.
- The risk in entrepreneurship.
- Concept of businessman.
- Requirements for the exercise of business.
- Personal objectives versus business objectives.

Business plan:

- the business idea in the field of footwear and accessories. Good practices of entrepreneurial culture in the activity of footwear and accessories at the local level.

The company and its surroundings:

- Concept, objectives and basic functions of the company.
- The company as a system.
- The general environment of the company.
- Analysis of the general environment of an "SME" related to footwear and / or accessories.
- The specific environment of the company.
- Analysis of the specific environment of an «SME» of footwear and / or accessories.
- Relations of an "SME" of footwear and / or accessories with its environment.
- Relations of an "SME" of footwear and / or accessories with society as a whole.
- The culture of the company: corporate image.
- Corporate social responsibility.
- The social balance.
- Business ethics.
- Social and ethical responsibility of the companies in the sector.
- Creation and implementation of a company:
- The company and the employer. Company types.
- Business plan: concept and content.
- The idea of business as the origin of business activity.
- Production plan
- Personnel plan: human resources in the company.
- Study of economic and financial viability. Income and costs.

- Sources of financing: own and others. Aid for the creation of companies. Treasury forecasts, income statement and balance sheet.
- Economic feasibility and financial viability of an SME related to footwear and fashion accessories.
- Choice of legal form. Modalities Criteria of choice. The individual entrepreneur The societies. Communities of Goods. The franchises as a business option.
- Administrative procedures for establishing a business. The business single window. Management of grants and subsidies.
- Sources of information and advice for the start-up of an SME.
- Taxation in companies. Tax obligations of the companies. Taxes that affect companies: Income Tax, Corporate Tax, VAT and others. Basic notions and fiscal calendar. Tax obligations of a company related to the footwear and fashion accessories sector.
- Business plan: choice of legal form, study of economic and financial feasibility, administrative procedures and management of grants and subsidies. The business plan of an SME related to the sector.

Administrative function:

- Concept of accounting and basic notions. Accounting operations: registration of the economic information of a company. Accounting as a faithful image of the economic situation.
- Analysis of accounting information.
- Tax obligations of the companies.
- Requirements and deadlines for submission of official documents.
- Administrative management of a company related to footwear and accessories.

Professional module: Training in work centers.

Code: 0610

Contents:

Identification of the structure and business organization:

- Structure and business organization of the footwear and accessories sector.
- Activity of the company and its location in the footwear and accessories sector.
- Organization chart. Functional relationship between departments.
- Logistic organization chart of the company. Suppliers, customers and marketing channels.
- Work procedures in the field of the enterprise. Systems and working methods.
- Human resources in the company: training requirements and professional, personal and social skills associated with the different jobs.
- Quality system established in the workplace.
- Security system established in the workplace.

Application of ethical and work habits:

- Personal attitudes: empathy, punctuality.
- Professional attitudes: order, cleanliness, responsibility and safety.
- Attitudes towards the prevention of occupational and environmental risks.
- Hierarchy in the company. Communication with the work team.
- Documentation of professional activities: methods of classification, coding, renewal and elimination.
- Recognition and application of the internal rules of the company, work instructions, standardized work procedures and others.

Performing operations to prepare the work activity:

- Study and identification of the proposed article.
- Technical interpretation of the process, according to the parameters and specifications that define it.
- Identification and technical description of the work sequence.
- Determination of resources and means necessary for the preparation of the article.
- Calculation of time per operation and total per article.
- Realization of phase lists.
- Organization and technical management of production processes (work study, balancing, implementation, flow of materials, internal and external transport, among others) in order to optimize the resources used and meet the delivery deadlines.
- Elaboration of scanners, describing the direct and indirect costs involved in the realization of the model.
- Completion and registration of the technical documentation required.

Implementation of the activities planned in the work plan:

- Instructions for carrying out an activity.

- Accurate documentation for the establishment of the processes that will be developed.
- Processes established to monitor the completion of tasks.
- Deontological criteria in work activities.
- Respect and confidentiality with respect to the user.
- Adaptation of the professional's attitudes to the characteristics of the user, the context and the professional task.
- Appropriate technical resources for each activity.
- Procedures established in the application of technical resources.
- Relationship of the techniques used with the needs of the users.

Compliance with safety and hygiene criteria:

- Hygiene-sanitary standards established by the legal regulations of the sector.
 - Specific regulations of the company.
 - Behaviors and attitudes that generate hygienic-sanitary or safety problems.
 - Use of appropriate clothing for the activity.
 - Personal protection equipment appropriate to the risks inherent to the activity and according to business regulations.
 - Standards of prevention of occupational risks applied to the professional activity.
- Fundamental aspects.
- Internal and external rules applied to the attitudes of respect for the environment typical of the activity carried out.
 - Collection, selection, classification and elimination of spills or waste derived from the activity.

Analysis of the service provided:

- Instructions for monitoring the proper development of the professional activity.
- Documentation associated with the processes of control and monitoring of the activity.
- Critical attitude applied to the realization of professional activities.
- Procedures that must be followed to carry out tasks.
- Deontological criteria applied to professional activities.
- Techniques and adequate resources for each professional activity.

Professional Module: Technical English for footwear and fashion accessories.

Code: M107

INTRODUCTION

The challenges that arise from belonging to the European Union and the globalization of the world of work require the mastery of a foreign language to ensure access to the labor market for students in the Region of Murcia in the best possible conditions. Professional relationships within this sphere require the mastery of a foreign language as a vehicle of communication, which advises the implementation of this discipline within the curricula of the Middle and Higher Vocational Training Cycles.

The professional module of intermediate-level Foreign Language: English has as reference the guidelines set out in the "Common European Framework of Reference for Languages: Learning, Teaching, and Evaluation".

The intention of the module is to allow students to use the language in an appropriate manner both orally and in writing, in everyday situations related to their professional needs, in interaction with other speakers or in the production and understanding of texts, whether of general interest, or related to your professional family.

LEARNING OUTCOMES

1. Use the oral language to interact in common situations of communication and in situations specific to the professional profile.

Evaluation criteria:

- Participates in brief conversations related to common situations or of interest as well as situations specific to their professional field.
- Use the necessary strategies to solve the difficulties during the interaction.
- Express descriptions, narrations, explanations, opinions, plans and requests in familiar contexts.
- Includes general and specific information in simple talks or material broadcast by audiovisual media on usual topics or topics of personal interest as well as on topics specific to their professional family.
- Uses the knowledge acquired about the linguistic system studied both in the pronunciation of their messages and in the understanding of others.

2. Includes written texts of general interest or related to the profession.

Evaluation criteria:

- Find specific information in short and simple texts of a known area.
- Understand the general information of a text.
- Identify the structure of the information in the technical texts related to your work area.
- Use the context to locate certain information.
- Use different sources in order to gather information necessary for the completion of a task.
- It uses the acquired knowledge about the linguistic system studied for the comprehension of the texts.

3. Write simple texts for various purposes and on familiar topics and topics related to profession respecting the elements of cohesion and coherence.

Evaluation criteria:

- Produces simple texts and marks the relationship between ideas with elements of cohesion and coherence.
- Uses the appropriate structures and vocabulary in professional writings: letters, emails, brochures, official documents, memos, business responses and other writings common in their work environment.
- Express descriptions, narrations, explanations, opinions, plans and requests in familiar contexts.
- Take notes, summarize and make outlines of information read or heard.
- Respects the rules of spelling and punctuation.
- Presents his writings in a clear and orderly manner.
- It uses the acquired knowledge about the linguistic system studied for the elaboration of texts.

4. Values the importance of English as an instrument to access information and as a means of personal and professional development.

Evaluation criteria:

- Identify and show interest in some cultural or geographical elements of the countries and cultures where the foreign language is spoken that are explicitly presented in the texts with which one works.
- Values the foreign language as an instrument of communication in the most common professional contexts.
- Shows interest and initiative in learning the language for personal enrichment.
- Use the appropriate linguistic formulas associated with specific communication situations: courtesy, agreement, disagreement, etc.

CONTENTS

1. Use of the oral language

- Participation in simple conversations about their work area or about everyday matters.
- Common formulas to initiate, maintain and finish communicative situations typical of your professional family: presentations, meetings, interviews, telephone calls, etc.
- Appropriate use of established formulas associated with situations of oral communication usual or of interest to the student.
- Listening to and understanding general and specific information in messages broadcast face-to-face or through audiovisual media on familiar topics.
- Oral production of descriptions, narrations, explanations, opinions, plans and requests in known contexts.
- Resolution of comprehension problems in oral presentations through the use of strategies: context help, identification of the key word, and the intention of the speaker.

2. Use of written language

- Comprehension of general and specific information in simple texts on everyday and concrete issues and on topics related to their professional field.
- Techniques of location and selection of the relevant information: quick reading for the identification of the main topic and reading oriented to find a specific information.

- Use of linguistic and non-linguistic elements for the inference of unknown expressions.
- Use and transfer of information obtained from different sources, in paper or digital format, to carry out specific tasks.
- Composition of texts of everyday topics and topics related to your professional family using the appropriate lexicon, the most common connectors and the basic strategies for written composition: planning, textualization and revision.
- Use of the structures and rules of the writings of the professional field: letters, reports, brochures, emails, business requests and responses, memoranda, curriculum and others.
- Correct use of spelling and different punctuation marks.
- Interest in the careful presentation of written texts, in paper or digital format.

3. Socioprofessional aspects.

- Assessment of language learning as a means to increase motivation when facing real situations of their professional life.
- Interest and initiative in communication in a foreign language in real or simulated situations.
- Recognition of the value of the language to progress in the understanding of the business organization.
- Identification and respect towards the customs and cultural features of the countries where the foreign language is spoken.
- Appropriate use of linguistic formulas associated with specific communication situations: courtesy, agreement, discrepancy ...

4. Linguistic means used

- Identification and use of common expressions and the lexicon proper to the professional family.
- Identification and use of common expressions and the lexicon associated with common communication situations: greetings and presentations, descriptions (of people, routines, interests, objects and places), narrations, suggestions, search for information, opinions, plans, instructions and obligations.
- Proper use of grammatical elements: basic verb tenses, connectors and discourse markers, temporal and conditional sentences (type I and II), comparative and superlative, uses of some and any, indirect style, passive voice, specific relative sentences and verbs manners.
- Pronunciation of phonemes of special difficulty.
- Recognition and autonomous production of different patterns of rhythm, intonation and accentuation of words and phrases.

PEDAGOGICAL ORIENTATIONS

This professional module contains the necessary training to respond to the foreign language needs of the degree.

The formation of the professional module contributes to achieving all the general objectives of the training cycle and the competences of the degree.

The lines of action in the teaching-learning process that allow achieving the objectives of the module should consider the following aspects:

- a. The student must be the center of the teaching-learning process, which implies that the design and development of the program and the materials will be determined by the communicative needs of the student.
- b. It is essential, therefore, to carry out an analysis of what the needs of the sector of your professional family are, as well as a study of the situations in which the student will have to use the language.
- c. Taking into account these principles and the duration of the module, it is advisable to raise, from the methodological point of view, the adoption of communicative approaches, and more specifically those based on "tasks" (Task-Based Language Teaching) when specifying the curriculum. . These approaches propose classes in which the student develops a series of tasks in which only a conscious attention is paid to the linguistic aspect if necessary for the development of the activity. The important thing is that the student develops his communicative competence putting into practice the basic skills and that the activity does not do it in a mechanical way, but spontaneous, natural and creative. The implementation of this methodology will be particularly useful for the students of the training cycle, since they need the English language as a means through which they carry out academic or professional activities. With this approach, the connection between the class tasks and those that the student will perform in their work is reinforced, which undoubtedly enhances their interest and motivation.

3. COMPANY PRACTICES

Concreting for its development in the companies of the Region of Murcia and associating the contents previously treated in the educational center, the following activities are developed in the productive centers:

Footwear and Trends Module: Prepare the tools and materials necessary to draw footwear and leather goods designs. Make an outline of the future design. Compose various combinations and shapes according to the design motive. Apply different ornaments. Choose the combination of textures, colors and motives more appropriate to the prevailing trend of the moment. Respect the anthropometric proportions in the elaboration. Make the outline with neatness and cleanliness. Identify current models of footwear and leather goods. Recognize the current evolution in design and creative trends in footwear and leather goods. Relate the trend with the sector to which it is addressed (children, young people, women and men, among others). Relate the trend with the social context (sports, free time and etiquette, among others).

Module of Principles of Electromechanical Maintenance: Identify the parts or critical points of the elements and pieces where wear may appear, reasoning the causes that originate them. Analyze the prevention and safety measures that must be taken into account in the operation of the mechanical elements. Identify the production and treatment circuits, the distribution networks, their protection elements and the pneumatic elements of regulation and control of the compressed air, recognizing their presence in the facilities. Identify the hydraulic unit and its functional and protective elements, relating the hydraulic elements of work with the type of maintenance that must be carried out. Recognize the elements of protection, maneuver and connection of electrical circuits. Identify the elements on which the first level preventive / corrective maintenance operations must be carried out, the most frequent breakdowns and the equipment and tools necessary to perform the first level maintenance tasks. Determine the required conditions of the work area for maintenance interventions. Apply maintenance techniques or replacement of basic elements in equipment and facilities. Record the maintenance operations carried out on the appropriate support. Carry out the cleaning, lubrication and checking of the state of the installation and equipment in the maintenance of first level. Apply the current regulations on prevention and safety related to the maintenance of equipment and installations.

Materials Cutting Module: Make marked fabrics, skins and other materials for cutting. Performs pietajes calculation. Identify cutting techniques, Recognize the different paving systems. Module of Textiles and Skin: Identify the types of fibers and threads. Describe the most common defects in textiles. Identify the different types of skins and leathers. Express the characteristics of the skins with the terminology, measurements and own units. Point out the most common defects in hides and skins, due to their nature and transformation process. Assess the repercussions of the most frequent defects and anomalies that affect the characteristics of the final product. Identify accessories in clothing and footwear. Identify filling, reinforcement and fastening elements, among others. Recognize trimmings and accoutrements (borders, entredoses and bieses, among others). Identify different types of ornaments. Observe the adequacy of the elements complementary to the model. Relate the nature of the materials, textiles, leather and leather with the environmental conditions of conservation and storage. Identify the different types of materials, products, skins and leathers in their packaging or commercial presentation. Identify the symbology of composition of materials, textiles, leather and leather. Recognize conservation symbology and instructions for use of materials, textiles, leather and leather. Verify the specifications of the label of the

material or product. Industrial Sewing Module: Machines for hot and wet finishing and finishing and textile articles Heat sealing, procedures and materials. Assembles components and trimmings, describing the selected techniques and relating them to the characteristics of the final product. Identify and assess quality standards Identify standard types of quality according to products and processes.

Module of Training and Labor Orientation: Know the conditions established depending on the type of contract. Identify the main elements of payroll or receipt of wages. Know the collective agreement of the sector. Assess the need for teamwork in the framework of the company as a means of promoting creativity and efficiency. Know the plan of prevention and evacuation of the company. Identify the occupational risks present in the workplace. Apply measures to prevent occupational risks in the workplace. Use personal protective equipment to prevent risks arising from work

Module of Enterprise and Entrepreneurship: Detect the main characteristics of innovation in footwear and accessories (materials, technology, organization of production, among others). Become aware of the entrepreneurial culture as a social need. Analyze your own entrepreneurial character. Find the key factors of entrepreneurs: initiative, creativity and training. Know the benefits of collaboration between entrepreneurs. Assess the performance of entrepreneurs as employees of an SME related to footwear and / or accessories. Observe the performance of entrepreneurs as entrepreneurs in the footwear sector and / or accessories. Inquire about risk in entrepreneurial activity. Identify the requirements for the exercise of business activity. Understand the contents of a business plan: the business idea in the field of footwear and / or accessories. Approach good practices of entrepreneurial culture in the activity of footwear and accessories and locally. Associate the company and its environment (basic functions of the company, the company as a system, the general environment of the company, analysis of the general environment of an SME related to footwear and / or accessories and the specific environment of the company). Be able to assimilate the details of the culture of a company in terms of corporate image, social responsibility, social balance, business ethics, social responsibility and ethics of companies in the footwear and accessories sector. To be able to develop theoretically the creation and start-up of a company, dominating the concept of company, the different types of company, the responsibility of the owners of a company, the fundamental taxation in companies, the choice of the most appropriate legal form, the size and number of partners, the administrative procedures for setting up a company, the economic viability and financial viability of an SME related to footwear and / or accessories. Analyze the sources of financing and preparation of the budget of a company related to footwear and accessories, access to grants, subsidies and tax incentives for SMEs related to footwear and accessories. Relate the basic rudiments of accounting with the business reality applying accounting operations as a record of the economic information of a company according to the principle of faithful image of the economic situation to subsequently execute an analysis of the accounting information. Be informed of the tax obligations of the companies. Know the requirements and deadlines for the presentation of official documents related to the administrative management of a footwear and / or accessories company.

Mounting and Finishing Modules for Leather Goods and Footwear: Technical information for the finishing process in leather goods and footwear. Identify the different mounting systems and their processes. Select relevant information for the application of the different techniques of Assembly and finishing. Interprets the technical characteristics of the shoe assembling and finishing sheets. Recognizes diagrams of the industrial processes of assembling and finishing of footwear. Make diagrams of industrial processes of mounted and finished of footwear

Selects materials and necessary components for each type of mounted. It recognizes and takes into account the specifications of the manufacturing technical sheet according to the method: vulcanized, injected, bottier, Cuban, autoclave, mixed, glued and sewn, among others. Preparation of ironing machines and equipment and finishes in leather goods and footwear. Commissioning of ironing and finishing machines. Finishing of clothing products: Characteristics to be conferred: appearance, touch and physical properties. Ironing articles: Types of ironing. Manual. Mechanic in presses. Automatic. Ironing procedures and processes. Presentation of finished articles. Machinery for folding and bagging. Folding of textile and leather articles in industrial clothing. Bagging of textile and leather goods in industrial clothing. External labeling Final presentation. Technical, aesthetic and commercial criteria. Storage. Final product presentation. Compliance with the rules of prevention of occupational hazards and environmental protection in the finishing processes: Safety regulations in the use of machines, tools and complementary equipment for assembly and tailor-made finishes. Implicit security elements in the assembly and finishing machines in tailor made. Safety conditions in the workplace. Cleaning and maintenance of machines and the workplace.

CONTENTS TO ACQUIRE / DEEPENING / TRAINING ACTIVITIES TO BE CARRIED OUT AT THE COMPANY DURING THE FIRST COURSE:

Identify trends, fashions and designs of footwear and leather goods, assessing current socio-cultural and professional trends.

Identify current models of footwear and leather goods for women, men, young people, children, etc. in the company catalog.

Review the models / catalogs of the last 3 collections, recognizing the evolution of design and creative trends for women, men, young people, children, etc.

Review the models / catalogs of the last 3 collections, recognizing the evolution of design and creative trends for sports shoes, free time and etiquette, among others.

- a) Current models of footwear and leather goods have been identified.
- b) The current evolution in design and creative trends in footwear and leather goods has been recognized.
- c) The trend has been linked to the sector to which it is addressed (children, young people, women and men, among others).
- d) The tendency has been related to the social context (sports, free time and etiquette, among others).
- e) Recognizes textile materials, describing their properties and applications.

Identify the main textiles and threads present in the warehouse of the work center, by means of visual inspection and / or pirognostic test, comparing the data obtained with those exposed in their descriptive sheet / label.

Identify the ligaments of the main textiles used in production, and their visual and tactile characteristics.

Detect and mark the main defects present in textile products, according to the procedure established in the company.

- a) The types of fibers and threads have been identified.
- b) The most common defects in textiles have been described.
- c) Recognizes skins and leathers of application in the manufacture of articles or industrial use, identifying the origin of the same, qualities and defects.

Identify the different types of skins and leathers present in the warehouse of the work center, by means of visual inspection, comparing the data obtained with those exposed in their descriptive sheet / label.

Detect and mark the most common defects in hides and skins, according to the procedure established in the company.

Evaluate the repercussions of the most frequent defects and anomalies in the leather in the characteristics of the final product, and the disadvantages of the same for the company (costs, returns, etc.).

- a) The different types of skins and hides have been identified according to their nature.
- b) The characteristics of the skins have been expressed with the terminology, measurements and own units.

c) The most common defects in hides and skins have been pointed out, due to their nature and transformation process.

d) The repercussions of the most frequent defects and anomalies that affect the characteristics of the final product have been assessed.

e) Identify complementary elements, relating them to their applications in clothing, footwear and leather goods.

Recognize the different accessories used in the company for the production of their models, and the adequacy of them.

Identify the elements of filling, reinforcement, subjection, etc. present in the store of the company, and its form of use to each specific model.

Identify trimmings and accoutrements (shields, eyelets, rivets, buckles, etc.) present in the company's warehouse, its specific function and its form of use in each specific model.

a) Accessories have been identified in clothing and footwear.

b) Filler, reinforcement and fastening elements, among others, have been identified.

c) Decorations and accoutrements have been recognized (valances, between twos and bieses, among others).

d) Different types of ornaments have been identified.

e) The complementary element has been related to its function.

f) The adequacy of the elements complementary to the model has been observed.

- Applies techniques and specifications for the conservation of clothing, footwear and leather goods materials, relating them to their characteristics and properties and condition.

Visit the warehouse of matters of the company, identifying the conditions of conservation and storage.

Observe in the warehouse the different forms of supply of textiles and furs, as well as their packaging and commercial presentations.

Review the composition labels of textiles, skins and leathers, identifying the symbols and checking the specifications.

Review the instructions of conservation in cards of the manufacturer / labels for textiles, skins and leathers, checking their compliance.

The nature of the materials, textiles, leather and leather has been related to the environmental conditions of conservation and storage.

b) The different types of materials, products, skins and leather have been identified in their packaging or commercial presentation.

c) The symbology of composition of materials, textiles, leather and leather has been identified.

d) Conservation symbology and instructions for the use of materials, textiles, leather and leather have been recognized.

e) The specifications of the label of the material or product have been verified.

- Exercising the rights and complying with the obligations deriving from labor relations, recognizing them in the different work contracts.

Identify the rights and obligations that correspond to him as a worker of the company.

Know the conditions agreed in the collective agreement of the sector.

Identify the environment of the work organization.

- a) The rights and obligations derived from the employment relationship have been determined.
- b) The conditions of work agreed in a collective agreement applicable to a professional sector related to the title of technician in footwear and fashion accessories have been determined.
- c) The defining characteristics of the new work organization environments have been identified.

- Evaluates the risks derived from your activity, analyzing the working conditions and the risk factors present in your work environment.

Analyze the possible damages to the worker's health according to the working conditions.

Identify risk factors in the workplace.

Evaluate the risks present in the workplace.

- a) Work conditions have been related to the worker's health.
- b) Risk factors have been classified in the activity and the damages derived from them.
- c) The most common risk situations have been identified in the work environments of the Footwear and Fashion Accessories technician.
- d) The risk assessment in the company has been determined.

- Participates in the development of a risk prevention plan in a small company, identifying the responsibilities of all the agents involved.

Analyze the rights and duties in preventive matters.

Identify the representatives of workers in preventive matters.

Know the company's prevention plan.

Identify the content of the prevention plan.

- a) The main rights and duties in terms of prevention of occupational risks have been determined.
- b) The forms of representation of workers in the company in the field of risk prevention have been determined.
- c) The importance of the existence of a preventive plan in the company, which includes the sequencing of actions to be carried out in case of emergency, has been assessed.
- d) The content of the prevention plan has been defined.

- Applies the measures of prevention and protection, analyzing the situations of risk in the work environment of the technician in Footwear and Fashion Complements.

Identify the protection and prevention techniques established in the company.

Locate the safety signage and recognize its meaning.

Know the location and composition of the company's first-aid kit.

a) The prevention and protection techniques that must be applied to avoid damage at their origin have been defined and their consequences should be minimized if they are unavoidable.

b) The meaning and scope of the different types of safety signage have been analyzed.

c) The elements that make up the company's kit have been identified.

- Identifies complementary elements, relating them to their applications in clothing, footwear and leather goods.

- Recognizes the different complements that are used in a certain garment manufactured in the company.

a) Accessories have been identified in clothing and footwear.

b) Filler, reinforcement and fastening elements, among others, have been identified.

c) Decorations and accoutrements have been recognized (valances, wedges, bises, among others).

d) Different types of ornaments have been identified.

e) The complementary element has been related to its function.

f) The adequacy of the elements complementary to the model has been observed.

- Make marked fabrics, skins and other materials for cutting, relating pattern layout with optimization.

Interpret technical information

Carry out studies of markings and performance calculations.

Apply optimization procedures.

Check the behavior of materials.

-Register of generalized technical documentation.

a) The behavior of the tissues, skins and other materials in the cut has been analyzed.

b) The tolerances of the materials have been classified and described.

c) Tissue extension systems have been analyzed in relation to the characteristics of the material.

d) The patterns have been distributed according to their position mark.

e) Have been marked by calculating the performance of each one until obtaining the highest possible percentage.

- Prepares cutting machines, equipment and instruments in preparation, justifying the sequence of operations and identifying the operating parameters.

a) Prepare machines, equipment and cutting instruments.

b) Lubrication and lubrication of machines.

c) Sharpening, calibration, tuning.

Carry out the maintenance of first level machines, equipment and cutting instruments.

Know the security systems of the machines.

Interpret technical data sheets

- a) The necessary information has been interpreted to prepare the cutting process.
 - b) The assembly and disassembly operations of the operating elements, lubrication, lubrication and cleaning of the cutting machines have been carried out.
 - c) The cutting elements have been sharpened according to procedures and standards.
 - d) The cutting parameters have been adjusted according to the material to be cut.
 - e) The first level maintenance of the cutting machines and their tools has been carried out.
 - f) Preparation and maintenance have been carried out with autonomy, order, method, precision and adaptation to the type of cut and material.
 - g) The technical information has been interpreted in the preparation activities.
- Cuts woven pieces, leather and other materials, justifying the selected technique depending on the product.

Perform the tissue spread.

- a) Control of parameters that intervene in the cutting process.

Observe the cutting techniques used in the company.

Carry out the cutting of pieces.

Control the cut pieces and check the quality of them.

Identify and label cut pieces.

- a) The material for the cut has been extended avoiding deformations, folds and tensions.
- b) The cutting system has been selected according to the technical indications.
- c) The parameters that must be controlled in the cutting operation to avoid deviations have been listed.
- d) The sequence has been identified according to the technical information, the type and quantity of components of the article.
- e) The quality of the cut components has been verified.
- f) The correspondence of the cut pieces with those indicated in the production order has been checked.

Know and interpret the technical documentation used.

- a) The pieces cut according to the technical sheet have been classified and labeled.
- b) The documents of the cutting operations have been identified. i) The technical documentation has been prepared (orders, incidents, production and others).

- It complies with the regulations for the prevention of occupational and environmental risks in the cutting of parts, identifying the associated risks and preventive measures.

Identify the risks in the court room.

Identify the preventive measures in the cutting room used in the company.

Use the security elements.

-Cleaning and maintenance of the machines and the workplace.

a) The risks and the level of danger posed by the handling of the different materials, tools, tools and cutting machines have been identified.

b) Cutting machines have been operated in compliance with safety regulations.

c) The most frequent causes of accidents in the handling of materials, tools and cutting machines have been identified.

d) The safety and personal protection measures that must be adopted in the preparation and execution of cutting operations have been described.

e) The manipulation of materials, tools and cutting machines has been related to the required safety and personal protection measures.

f) Possible sources of contamination of the environmental environment have been identified.

g) The order and cleanliness of facilities and equipment has been assessed as the first risk prevention factor.

h) Ergonomic techniques have been applied in the preparation and cutting operations of fabrics, leather and other materials.

i) The waste generated in the cutting process has been classified.

- Selects the relevant information for industrial manufacturing, interpreting technical documentation and relating it to the characteristics of the final product.

Know the organization, operation and production of the industrial process of the company.

Develop the process of preparation and assembly of garments through cards.

Make quality control of the final product.

Identify risks inherent to the activities carried out in the assembly processes, relating them to the causes.

a) The similarities and differences of organization, operation and production in industrial processes have been established.

b) The main phases and operations of the processes have been specified.

c) Machines and equipment that will be used in the phases of the process have been linked.

d) The documentation related to the quality control process of industrial manufacturing has been interpreted.

- Prepares machines and other assembly equipment in industrial manufacturing, justifying the selected variables and their set values.

- Assemble components and trimmings, describing the selected techniques and relating them to the characteristics of the final product.

- Management and use of the machines and equipment that are in the company.

- Commissioning of machines and equipment of the company.

- Quality control of the final product.

a) The variables that have to be regulated to control the process have been identified.

- b) The set values of the equipment and machines of the assembly process have been recognized in the industrial confection.
 - c) The assembly and disassembly, lubrication and cleaning operations have been carried out; regulation, adjustment and program loading (computerized machines) using the procedures and techniques.
 - d) The arms and plates have been changed in machines and equipment for ironing, adjusting and regulating pressure, steam, suction, drying or cooling and temperature, adapting them to the material.
 - e) The first level maintenance of the assembly and finishing machines has been carried out.
 - f) Simple anomalies have been solved in the parts and elements of sewing or thermofixing machines, assessing their wear or tear and identifying the causes or factors that cause them.
 - g) The quality of the preparation of the components (appearance, accuracy of form, type of recess) and overall aspects (fidelity to the pattern, location of embroidery, adornment and / or trimmings) have been verified.
 - h) Preparation and maintenance have been carried out with autonomy, order, method and precision.
 - i) The procedure for handling assembly machines in industrial clothing has been described.
 - j) Machinery and accessories have been selected according to the assembly procedure.
 - k) The materials for the assembly have been selected (types of yarn, adhesives).
 - l) The phases of execution of the assembly have been sequenced and organized according to the technical information.
 - ll) Assembly techniques have been applied using different joining techniques and types of materials.
 - m) The quality of the assembly or union of seams, glued or heat sealed, has been verified, correcting the anomalies detected.
 - n) Assembly has been carried out with autonomy, method, neatness and aesthetic criteria.
- Controls the quality of the process, relating it to the continuous improvement of it.
 - It complies with the regulations for the prevention of occupational and environmental risks in industrial manufacturing processes, identifying the risk associates and prevention measures.
- Observe and define the factors that determine the quality of a textile or leather garment.
- Identify types of quality standards according to the products and manufacturing processes.
- Define the procedure to analyze the results obtained in the review of the quality management system.
- Know the risks and the level of danger that involves the manipulation of different materials, tools and tools for industrial manufacturing.
- Respect the safety regulations in the handling of the assembly machines in industrial confection.
- Identify the most frequent causes of accidents in the handling of materials, tools and machines for assembly and finishing in industrial clothing.

Comply with the security measures and personal protection that are adopted in the preparation and execution of the industrial manufacturing operations of the company.

Identify the possible sources of contamination of the environmental environment.

Maintain order and cleanliness of facilities and equipment.

a) The factors that must be taken into account to establish the quality of a garment, textile article or skin have been described.

b) The standard types of quality have been identified according to the products and manufacturing processes.

c) The quality controls applicable to the operation of the machinery have been recognized.

d) Quality standards have been identified.

e) Quality management has been valued.

f) The records of the quality management system have been recognized.

g) The procedure for the analysis of the results obtained in the review of the quality management system has been defined.

h) The risks and the level of danger posed by the manipulation of different materials, tools and tools for industrial manufacture have been identified.

i) Safety regulations have been respected in the handling of assembly machines in industrial confection.

j) The most frequent causes of accidents have been identified in the handling of materials, tools and machines for assembly and finishing in industrial clothing.

k) The measures of safety and personal protection that should be adopted in the preparation and execution of industrial manufacturing operations have been described.

l) The manipulation of materials, tools and assembly and finishing machines has been related to the required safety and personal protection measures.

ll) Possible sources have been identified.

Know the first risk prevention factor.

Apply ergonomic techniques in industrial manufacturing operations.

a) The order and cleanliness of facilities and equipment has been assessed as the first risk prevention factor.

b) Ergonomic techniques have been applied in industrial manufacturing operations.

CONTENTS TO ACQUIRE / DEEPENING / TRAINING ACTIVITIES TO BE CARRIED OUT AT THE COMPANY: SECOND COURSE:

- Prepares machines, tools and tools for assembling and finishing shoes, justifying the variables and selected accessories.

- Management and use of the machines and equipment that are in the company. B. Tuning machines and equipment of the company.

Quality control of the final product.

- a) The information and manuals related to the operation, use and tuning of the shoe assembling and finishing machines have been interpreted.
- b) The variables that have to be regulated to control the process have been identified.
- c) The different materials, tools and tools required for the assembly and finishing of footwear have been prepared.
- d) Simple anomalies have been solved in the parts and elements of assembling and finishing machines, assessing their wear or tear and identifying the causes or factors that cause them.
- e) The correct functioning of its security systems has been verified.
- f) The first level maintenance of the shoe assembling and finishing machines has been carried out.
- g) Preparation and maintenance have been carried out with autonomy, order, method and precision.
- h) The specific rules of safety and accident prevention have been respected in the techniques carried out.

- Mounts footwear by different systems, applying manual and mechanical techniques

Select the material and prepare the components for the assembly of each footwear type.

Assemble shoes manually and mechanically, using different systems: blake, halley, goodyear, kiowa, guaracha and california, among others.

Verify the quality of the assembly, correcting the anomalies detected.

- a) The different systems for assembling manual and mechanical footwear and their manufacturing processes have been identified.
- b) The lasts, insoles, cut-outs, materials and components necessary for each type of assembly have been selected.
- c) Blocks, components, cuts and materials have been prepared.
- d) The footwear has been mounted manually and mechanically, applying different systems: blake, halley, goodyear, kiowa, guaracha and california, among others.
- e) The procedures have been carried out with autonomy, order, method and precision.
- f) The quality of the manual and mechanical assembly has been verified, both in its technical and global aspects and correcting the anomalies detected.
- g) The specific rules of safety and accident prevention have been respected in the techniques carried out.

- Applies techniques of joining the floor to the cut, using manual and automatic procedures.

Select the manual, automatic machines, materials and components suitable for each process.

Perform the different manual joints of the floor to the cut.

Perform the different automatic joints of the floor to the cut.

Verify the quality of the finished products.

- a) The specifications of the manufacturing technical sheet have been taken into account according to the method: vulcanized, injected, bottier, Cuban, autoclave, mixed, glued and sewn, among others.
- b) Manual, automatic machines, materials and components have been selected for each process depending on the type of footwear and the means to be used.
- c) The assembled shoes, components and floors have been prepared for each type of joint.
- d) The different manual systems for joining the floor to the cut have been applied.
- e) The different automatic systems for joining the floor to the cut have been applied.
- f) The procedures have been carried out with autonomy, order, method and precision.
- g) The quality of the finish has been verified, both in its technical and global aspects and correcting the anomalies detected.
- h) The specific rules of safety and accident prevention have been respected in the techniques carried out.

- Finish the shoe, selecting products, machines and components for each type of finish.

Select the products, machines and components needed for each finish.

Realize the finishing of the footwear.

Verify the quality of the finished products.

Carry out the labeling and packaging of the finished product.

- a) The different types of shoe finishing and sequencing have been described.
- b) The fabrication technical sheet has been interpreted according to the finishes: wax, pigmented, aniline and tinted, among others.
- c) Products, machines and components necessary for each finish have been selected.
- d) The footwear has been finished.
- e) The procedures have been applied with autonomy, order, method and precision.
- f) The specific rules of safety and accident prevention have been respected in the techniques carried out.
- g) The quality of the finish has been verified, both in its technical and global aspects and correcting the anomalies detected.
- h) The finished products have been labeled and packaged.

- Recognizes the capacities associated with the entrepreneurial initiative, analyzing the requirements derived from jobs and business activities.

Identify the main innovations introduced in the company.

Know the importance of business culture.

Identify the keys to success of the entrepreneur based on creative actions.

Recognize the initiative on the part of the entrepreneur and the risk associated with the creation of a company.

Identify the qualities and attitudes of the entrepreneur.

a) The concept of innovation and its relationship with the progress of society and the increase in the well-being of individuals has been identified.

b) The concept of entrepreneurial culture and its importance as a source of job creation and social welfare has been analyzed.

c) The importance of individual initiative, creativity, training and collaboration as indispensable requisites to be successful in the entrepreneurial activity has been valued.

d) The capacity of initiative and the concept of risk as an inevitable element of any entrepreneurial activity has been analyzed.

e) The concept of entrepreneur and the requisites and attitudes necessary to develop business activity have been analyzed.

- Defines the opportunity to create a small company, assessing the impact on the environment of action and incorporating ethical values.

Identify the different departments and the organizational chart of the company.

Place the company in its general and specific environment.

Know the social responsibility of the company in question.

Investigate the social balance established in the company.

Identify all the actions carried out by the company that are aimed at the protection of the environment and the solution of social concerns.

a) The basic functions performed in a company have been described and the concept of the system applied to the company has been analyzed.

b) The main components of the general environment surrounding the company have been identified, especially the economic, social, demographic and cultural environment.

c) The influence on the business activity of relations with customers, with suppliers and with competition as main components of the specific environment has been analyzed.

d) The phenomenon of corporate social responsibility and its importance as an element of the business strategy has been analyzed.

e) The social balance of a company in the sector has been prepared and the main social costs incurred by these companies have been described, as well as the social benefits they produce.

f) Practices that incorporate ethical and social values have been identified in companies in the sector.

- Carry out the activities for the constitution and start-up of a company, selecting the legal form and identifying the associated legal obligations.

Analyze the legal responsibility of the entrepreneur based on the legal form adopted by the company in question.

Identify the tax system to which the company is subject based on its legal form, relating it to the risk assumed by the employer.

Know the most relevant procedures that were necessary for the constitution of the company.

Identify the different aids, subsidies and other forms of financing that the company could use for its operation.

Know the deadlines for the tax settlement.

- a) The degree of legal responsibility of the owners of the company has been specified according to the legal form chosen.
- b) The tax treatment established for the different legal forms of the company has been differentiated.
- c) The procedures required by current legislation for the constitution of an SME have been analyzed.
- d) An exhaustive search has been made of the different aids for the creation of companies in the sector in the reference location.
- f) The types of taxes have been differentiated in the fiscal calendar.

- Apply teamwork strategies, assessing their effectiveness and efficiency to achieve the objectives of the organization.

Value the advantages of teamwork.

Identify the work teams present in the company, determining their characteristics as an effective work team.

Analyze the different roles assumed by team members.

Recognize the possible conflicts that occur within the work team, analyze their causes and propose solutions.

- a) The advantages of teamwork in work situations related to the profile of the footwear and fashion accessories technician have been evaluated.
- b) Work teams have been identified that can be constituted in a real work situation.
- c) The characteristics of the effective work team have been determined against the ineffective teams.
- d) The necessary existence of diversity of roles and opinions assumed by the members of a team has been positively valued.
- e) The possible existence of conflict among the members of a group has been recognized as a characteristic aspect of the organizations.
- f) The types of conflicts and their sources have been identified.
- g) Procedures for resolving the conflict have been determined.

- Identifies the structure and organization of the company relating them to the production and commercialization of the products obtained.

Identify the organizational structure of the company, and compare it with others in the sector.

Recognize the main suppliers, customers, production and storage systems.

Know the work procedures used to provide the service.

Discerning the necessary skills for the optimal development of each activity.

- a) The organizational structure of the company and the functions of each area of the company have been identified.

b) The structure of the company has been compared with the type of business organizations existing in the sector.

c) The elements that make up the logistics network of the company have been identified: suppliers, customers, production and storage systems, among others.

d) Work procedures have been identified in the development of service provision.

e) The necessary skills of human resources have been assessed for the optimal development of the activity.

f) The suitability of the most frequent dissemination channels in this activity has been assessed.

- Apply ethical and work habits in the development of their professional activity according to the characteristics of the job and the procedures established in the company.

Go to work with punctuality.

Keep the workplace clean and tidy.

Identify the rules of prevention of occupational risks, applying the PPE appropriate to the activity.

Work as a team, doing your work with quality and coordinating with the other members to communicate the relevant incidents.

Respect hierarchies.

Assume responsibility for interpreting and complying with the instructions received, as well as the application of rules and procedures in the development of their work.

Assess the importance of their activity and the need to adapt to changes in tasks.

Recognize the need for permanent updating of the professional activity and company standards.

a) The following have been recognized and justified:

- The personal and temporary availability necessary in the workplace.

- Personal attitudes (punctuality and empathy, among others) and professionals (order, cleanliness and responsibility, among others) necessary for the job.

- The attitudinal requirements before the prevention of risks in the professional activity.

- The attitudinal requirements referred to the quality in the professional activity.

- Attitudes related to the work team itself and to the hierarchies established in the company.

- Attitudes related to the documentation of the activities carried out in the workplace.

- The training needs for the insertion and reintegration into the scientific and technical field of the good work of the professional.

b) The regulations for the prevention of occupational hazards and the fundamental aspects of the Law for the Prevention of Occupational Risks applicable to professional activity have been identified.

c) Individual protection equipment has been applied according to knowledge risks.

d) An attitude of respect for the environment has been maintained in the activities carried out.

e) The job or the area corresponding to the development of the activity has been kept organized, clean and free of obstacles.

f) Has been responsible for the work assigned, interpreting and complying with the instructions received.

g) An effective communication has been established with the responsible person in each situation and with the members of the team.

h) Coordinated with the rest of the team, communicating the relevant incidents that arise.

i) The importance of its activity and the need to adapt to changes in tasks have been assessed.

j) Has been responsible for the application of the rules and procedures in the development of their work.

- Carry out operations to prepare the work activity by applying techniques and procedures according to instructions and established standards.

Prepare the work activity in accordance with the instructions and documentation received.

Use the control procedures prior to the start of the activity, according to company regulations, identifying the space conditioning needs.

Identify the difficulties that have arisen during the preparation process of the work activity.

a) The instructions received for the preparation of the work activity have been interpreted.

b) The documentation associated with the preparation of the labor processes that have to be developed has been identified.

c) The control procedures have been used in accordance with the instructions or standards established.

d) The conditioning needs of the spaces in which the work activity will be carried out have been identified.

e) The criteria for the start of the work activity have been correctly applied, taking into account instructions and established rules.

f) The needs of the people receiving the service have been recognized and determined, taking into account the established protocols

g) The procedures for the first contact with the users have been correctly carried out, using means and applying techniques, according to instructions and established norms.

h) The difficulties that have arisen in the process of preparing the work activity have been identified.

i) All preparation activities have been carried out taking into account the principles of respect for the personal privacy of the users.

- Implements the activities foreseen in the work plan relating the instructions and established standards with the application of procedures and techniques inherent to the activities that will be developed.

Perform the work activity in accordance with the instructions and documentation received and the ethical criteria of the profession.

Use the procedures, materials and tools appropriate to the activity.

Respect the confidentiality of the products, facilities and customers of the company.

- a) The instructions received for the performance of the work activity have been interpreted.
- b) The documentation associated with the labor processes that have to be developed has been identified.
- c) The tasks have been carried out following established procedures.
- d) All work activities have been carried out taking into account the deontological criteria of the profession.
- e) The confidentiality of the information regarding the users with whom it is related has been respected.
- f) Appropriate attitudes have been used to the type of user, situation or task.
- g) The technical resources appropriate to the activity have been used.
- h) The procedures established in the use of technical resources have been followed.
- i) The techniques used have been related to the needs of the people receiving the service.

- It complies with safety and hygiene criteria, acting according to hygienic-sanitary standards, occupational safety and environmental protection.

Recognize the hygienic sanitary regulations that are mandatory and specific to the company, and the behaviors that go against them.

Use clothing and PPE appropriate to the activity to be carried out.

Identify the Occupational Risk Prevention regulations to apply.

Maintain a clear attitude of respect for the Environment.

Recognize the sanitary hygienic norms of obligatory fulfillment and the specific ones of the company, and the behaviors that go against them.

Use clothing and PPE appropriate to the activity to be carried out.

Identify the Occupational Risk Prevention regulations to apply.

Maintain a clear attitude of respect for the Environment.

- a) Sanitary hygienic norms of obligatory fulfillment have been recognized related to the legal regulations and those specific to the company itself.
- b) All those behaviors or aptitudes capable of producing sanitary or safety problems have been recognized.
- c) The appropriate clothing for the activity has been used.
- d) Individual protection equipment has been applied according to the risks of the professional activity and company regulations.
- e) The occupational risk prevention regulations that have to be applied in the professional activity and carrying out operations for the selection, collection and classification of waste have been identified.
- f) A clear attitude of respect for the environment has been maintained in the activities carried out and the internal and external regulations linked to it have been applied.

g) The operations of collection, selection, classification and disposal or disposal of waste have been executed.

- Analyze the service provided by relating it to the quality criteria of the intervention procedure.

Assess the degree of compliance with the instructions received, showing a critical attitude with the realization of the activities and arguing the adequacy of the techniques and resources used.

Identify the documentation associated with the processes of control and monitoring of the activity, verifying that the procedure established for carrying out the tasks has been followed.

Apply deontological criteria in the performance of professional activities.

a) The degree of compliance with the instructions received for the performance of the work activity has been assessed.

b) The documentation associated with the control and monitoring processes of its activity has been identified.

c) A critical attitude was shown with the realization of the activities.

d) It has been verified that the procedure established for the completion of the tasks has been followed.

e) Deontological criteria of the profession have been applied in the performance of professional activities.

f) The adequacy of the techniques and resources used has been argued.

4. REQUIREMENTS FOR TEACHERS AND COMPANY MONITORS. STUDENT RATIOS IN EACH CASE

SPECIALTIES AND DEGREES OF TEACHERS WITH TEACHER ALLOCATION IN THE PROFESSIONAL MODULE INCORPORATED IN THE TRAINING CYCLE IN THE REGION OF MURCIA:

PROFESSIONAL MODULE TEACHER SPECIALTY BODY REQUIREMENTS

Technical English for footwear and fashion accessories Textile products and processes, clothing and skin. Professor / Professor of Secondary Education Those established for level B2 in Decree 43/2015 of March 27, which establishes a system for the recognition of competence in foreign languages in the Autonomous Community of the Region of Murcia and creates the commission of recognition of proficiency levels in foreign languages. Level B2

- English • Professor / Professor of Secondary Education

CERTIFICATIONS REQUIRED TO PROVIDE THE BUILT-IN PROFESSIONAL MODULE TO THE TRAINING CYCLE FOR THE REGION OF MURCIA IN THE PRIVATE TITLE PRIVACY CENTERS:

PROFESSIONAL MODULE DEGREE REQUIREMENTS

Technical English for footwear and fashion accessories • Bachelor, Engineer, Architect or the corresponding degree or other equivalent degrees for teaching purposes Those established for level B2 in Decree 43/2015 of March 27, which establishes a recognition system for foreign language proficiency in the Autonomous Community of the Region of Murcia and a recognition commission for proficiency levels in foreign languages is created. Level B2

- Bachelor of Translation and Interpretation of the English Language
- Bachelor in English Philology.

The faculty that attends to the students in the companies will embrace a maximum of three students per company simultaneously.

For monographic courses of professional qualification, such as "aparado" - we will stick to more empirical requirements for the selection of the monitors that teach it.

5. SPACES AND EQUIPMENT

Spaces (in square meters):

- Space for formation
- 20 students
- Multi-purpose classroom 40
- Classroom of pattern 90
- Shoe manufacturing workshop 140
- Materials Laboratory 60

Minimal equipment:

- Space for formation
- Equipment.
- Polyvalent classroom Audiovisual equipment.
- PCs installed in network, projection cannon and Internet.
- Fixed waxing.
- Waste container.
- Teacher's table with armchair.
- School desks
- Hangers
- Wardrobe with lock to store computer and audiovisual equipment.
- Interactive software
- Wall projection screen.
- Classroom design Drawing tables.
- Stools
- Plotter for cutting and marking.
- A3 laser printer.
- Scanner.
- Software programs
- Projection cannon.
- Table to copy patterns.
- Driller for patterns.
- Supports for rolls of paper and cardboard.
- Shoe lasts.
- Footwear manufacturing workshop Column machine.
- Programmable flat machine.
- Owerlock machine.
- Zig-zag machine.
- Manual labeller.
- Adjustable stool.
- Snap fastener equipment.
- Label printer machine.
- Thermofixer.
- Universal press
- 2 column needle machine.
- Flat sewing machines.
- Machine to reduce.
- Band cutting machine.

- Triple drag machine
- Adjustable chairs
- Shoe lasts (men, women and children by sizes).
- Hemming machine.
- Chopping machine.
- Cutting tables.
- Trimming machine.
- Embastar machine.
- Nail finisher.
- Center point machine
- Riding machine heels.
- Sanding and carding machine.
- Heels prefix machine.
- Pressing machine for floors.
- Stapling machine heels.
- Cabine give adhesive.
- Finishing cabin.
- Vulcanized mold.
- Laboratory of materials Microscopes.
- Precision balances.
- Filocono
- Manual torsionmeter.
- Precision balance for weight.
- Chemistry equipment for material analysis.
- Equipment for water distillation.
- Color camera or UV light camera.
- Oven or drying oven.
- Laboratory equipment (tables, sink modules, cabinets, reagent cabinets and stools).
- Electronic dynamometer.
- Micrometer.
- Abrasimeter.

6. COURSE OF QUALIFICATION FOR TEACHERS

In order to update the qualifications of the trainers in the companies, refresher courses on the latest advances are proposed to optimally apply the appropriate technological and organizational skills such as:

Customized orthopedic footwear course.

Goals:

- Know the procedure of custom footwear and applications to feet with common pathology.

Contents:

- The art market: characteristics and conditions
- Productive process of footwear. Characteristics and tailor made footwear
- Custom footwear for common pathologies: diabetic foot and its complications, polio foot, foot with osteoarthritis, foot with special widths. Other common pathologies in need of custom orthopedic footwear.
- Creation, modification and adaptation of last. Orthopedic supplements The step from measurements of the foot (malformation) to the last. Methods for modification, abstraction and addition.

This course can be developed by the Center of Teachers and Resources of the Region of Murcia dependent on the Ministry of Education, Youth and Sports at the request of those interested and within its program of actions.

7. MONOGRAPHIC COURSES

In a parallel line of work, we can offer monographic courses aimed at a general public (teachers, active and unemployed workers) such as the one that has been developed on techniques of aparado with these nuances:

Name: APPARATUS AND SEWING OF FOOTWEAR AND FOOTWEAR

Overall objective:

To improve the knowledge of the traditional techniques of the sewing of the espadrille and the fitting of skins and fabrics in it. Increase the productivity and quality of the final product as well as the labor security of the workers.

Qualifications of trainers: Required qualification:

School Graduate, ESO, FPI Skin and Leather, FPGM Technician in Footwear and Fashion Complements, or other higher education related to the occupation. If you do not have experience, you must have Level 1 Academic Training (Spanish Framework of Qualifications for Higher Education) or other higher level related to the professional field.

Professional experience required:

Mastery of knowledge and techniques related to the industrial development of assembly and equipment of footwear and leather goods, finished in leather, textiles, synthetics and other materials. If you do not have a degree, accredit at least 4 years of experience the competences related to the specialty.

Teaching competence Training and / or experience required:

Possess methodological training or teaching experience, accredited by any of the following forms: (Certificate of professionalism of occupational trainer, or of the certificate of professionalism of teaching of professional training for employment).

Those who are in possession of official university degrees of degree in Pedagogy, Psychopedagogy or Master in any of their specialties, of a university degree of Graduate in the field of Psychology or Pedagogy, or official postgraduate degree in the aforementioned fields will be exempt. Those who have another official university degree other than those indicated and who are also in possession of the Certificate of Pedagogical Aptitude, or of the professional diplomas of Didactic Specialization and the Certificate of Pedagogical Qualification. Likewise, those who accredit the possession of an authorized University Master's Degree to exercise the professions of Compulsory Secondary Education and Baccalaureate, Vocational Training and Official Language Schools and those who accredit the completion of a training course equivalent to pedagogical training will be exempt. didactic required for those persons who, being in possession of a degree declared equivalent for teaching purposes. Those who accredit a proven teaching experience of at least 600 hours in the last 4 years of professional training for employment.

Equipment:

Large table for preparation and assembly of pieces for the aparado and assembly of footwear. 6 column sewing machines, 1 needle, upper and lower synchronized drive 5, thread trimmer, complete with bench, motor, and accessories. 1 flat sewing machine, 1 needle, zig-zag, with programming panel and automatic clips, with electronic shoe clasp, complete with bench, motor and accessories. 4 flat sewing machines, 1 needle, thread trimmer, (runner), complete

with bench, motor and accessories 5 flat sewing machines, 1 needle, thread trimmer, with programming panel, (rodeta), complete with bench, motor and accessories.

Consumables:

The elements and necessary tools for the correct development of the course.

Occupation / s of occupational classification:

Preparation of parts for shoe assembly and assembly

Responsible for aparado-montaje and finisaje of footwear manufacturing

Operator of sewing and shoe press machines

TRAINING MODULES:

Module nº 1 Title: KNOWLEDGE OF THE ALPARGATERA TRADITION OF CARAVACA, ORGANIZATION OF THE WORK, ASSEMBLY AND OPERATIONS OF TABLE

Objective: Once the origins and traditional techniques of the local product are known, Acquire the capacities to organize the workspace for the work processes of assembling cut pieces, according to the work order, respecting the sequence, the times and applying the adequate techniques and with the established quality parameters.

Duration: 20 hours (5 practices).

Theoretical-practical contents: 1.1 Structure and components of footwear, cutting materials. 1.2 Organization of the workplace 1.3 Techniques and procedures for completion. 1.4 Assembly techniques. 1.5 Review, referencing, labeling and grouping of the apparatus.

Module No. 2 Name: THE SEPARATION MACHINE: MACHINERY CHARACTERISTICS, CALIBRATION, USE AND MAINTENANCE. THE NEEDLE. SPECIAL THREADS FOR JUTE WORK

Objective: Acquire the skills to know the machinery, adequate resources and techniques necessary to correctly complete the production process. The student will practice in the handling and cleaning of the machine, as well as in the change of bobbin, threading and regulation of tensions. The student will be able to differentiate the type of needle for each class of material. Needle placement and removal exercises will be carried out as well as practices in the stippling without thread (straight, discontinuous line, curve, etc.) and in sewing with thread (through the figurative ones). He will also perform stitch length exercises.

Duration: 80 HOURS (10 PRACTICES)

Theoretical - practical contents: 2.1 Types of machines 2.2 Parts of the aparament machine. 2.3 Its operation. 2.4 Safety at work. 2.5 The needle. Types. Utilization 2.6 Threads, measurements, types and uses.

Module nº 3 Name: USEFUL, MATERIALS AND TOOLS. COLAS. SKINS, PLASTICS AND TEXTILES, HEMP, JUTE AND SPARTO

Objective: Acquire the skills to identify and use correctly, the tools, materials and tools necessary for the production process at all times. The student will practice in the handling of scissors, brushes, hammer etc. to master after refining, bending, bending by hand etc. Likewise, the student will work with furs and plastics to observe their differences and particularities, both in the touch and sewing of them.

Duration: 60 hours (15 practices)

Theoretical - practical contents: 3.1 Tools and tools: Hammer, punch, scissors, belts, clogs, lasts, trimmings ... 3.2 Adhesives. Queues Latex 3.3 Skin. Characteristics 3.4 Plastics. Characteristics 3.5 Textile Fibers. Features. Traditional textile fibers: jute, hemp and esparto grass 7 3.6 Applications in the shoe.

Module nº 4 Name: ASSEMBLY, SEWING AND TERMINATION IN THE PRODUCTION OF FOOTWEAR AND MARROWING.

Know the sewing techniques of the cut to the plant: Buttonhole with and without reinforcement.

Toe caps

Objective: Acquire the techniques to join and sew the pieces of footwear or other leather goods, and the finishing techniques according to the specifications of the product and respecting the established quality criteria. The student will be able to make the most common types of live, seams, embellishments, hemming, edging and joining zig-zag pieces. Practices will be carried out in the realization of the stitching of live and in its stuck, as well as joints with live skin and fabric. It will be exercised in the stitching to the song. He will practice making ornaments, both manual and machine-made. He will do exercises with templates of different difficulties to master the hemming. In the last part of the module the student will be able to compose any type or modality of shoe. Exercise in the placement of buckles, zippers, tape and everything that is necessary for the realization of different types of shoes. He will practice in the sewing of linings and, finally, the assembly of pieces. The assembly of the cut to the plant in the traditional way will also be approached, by means of buttonhole with or without reinforcements as well as the elaboration of toes of different types.

Duration: 240 hours (80 practices).

Theoretical - practical contents: 4.1 Types of living (rulo, Italian, fine Italian). 4.2 Types of leather and fabric sewing. 4.3 Types of ornaments (ties, nerves and quilts). 4.4 Folded by hand. 4.5 Zig-zag. 4.6 Boring 4.7 Footwear type Mercedes 4.8 Shoe type footwear 4.9 Shoe apparel type English 4.10 Footwear shoe type Nautical 4.11 Footwear type Sandal 4.12 Footwear type Camping 4.13 Shoe type footwear 4.14 Specific characteristics of the footwear of jute 4.15 Assembly by means of buttonhole with and without reinforcement. Tips.