

Course number	COURSE TITLE	SEMESTER
FEM 306	FOOTWEAR DESIGNING LAB	THIRD
<ol style="list-style-type: none"> <li>1. To design the meanforme of the last</li> <li>2. To design the basic standard with the help of meanforme Viz. (oxford ,derby , court, shoe , open footwear to make the manually)</li> <li>3. To make the patterns manually .</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 301	FOOTWEAR MATERIAL	THIRD
<ol style="list-style-type: none"> <li>1. Classify various types of material used in footwear industries.</li> <li>2. Analyze the different types of leather and their identification ,characteristics and properties.</li> <li>3. Analyze the quality variation and substance variation in leather.</li> <li>4. Analyze the different types of soling material and their identification ,characteristics and properties.</li> <li>5. Classify various types of adhesives used in footwear industry.</li> <li>6. Classify various types of finishing material used in footwear industry.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 304	CLICKING TECHNOLOGY LAB	THIRD
<ol style="list-style-type: none"> <li>1. Study about the different types of tools used in clicking.</li> <li>2. Study about the different types of defects found in hide or skin while clicking.</li> <li>3. Practice in clicking by manually and by machine.</li> <li>4. Calculate the costing and wastage Reduction of leather.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 502	FOOTWEAR CONSTUCTION LAB	FIFTH
<ol style="list-style-type: none"> <li>1. Classify the various types of construction used in footwear industry.</li> <li>2. Study about the different types of tools and machines used in footwear construction</li> <li>3. To construct the pairs of shoes using cemented or stuck on construction.</li> <li>4. Study about the different types of chemicals used in different construction.</li> <li>5. Inspect the final quality of a shoes.</li> </ol>		

Course number	COURSE TITLE	SEMESTER
FEM 504	LASTING AND MAKING TECHNOLOGY LAB	FIFTH
<ol style="list-style-type: none"> <li>1. To introduce the various types of tools and machines used in lasting operation</li> <li>2. Learn the process of Drafting</li> <li>3. Study about the different types of manual lasting methods and practice in hand lasting.</li> <li>4. Study about the machine lasting and practice in machine lasting by machines.</li> <li>5. Quality control and find faults in lasting operation.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 201	ELEMENTARY LEATHER TECHNOLOGY	SECOND
<ol style="list-style-type: none"> <li>1. Study about the different types of tanning methods.</li> <li>2. Study about the beam house operations.</li> <li>3. Study about the post tanning operations.</li> <li>4. Analyze the defects found in hides and skins and grain variation.</li> <li>5. Introduce the sorting process of hides and skins is based on quality of leather.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 506	COMPUTER AIDED FOOTWEAR DESIGNING LAB	FIFTH
<ol style="list-style-type: none"> <li>1. Introduce the basic commands of shoemaster (2D Classic ) software.</li> <li>2. Digitize the 2D Standard.</li> <li>3. To make the complete shell of the shoe standard.</li> <li>4. Design the pattern and make the complete pattern and specifications of the pattern.</li> <li>5. Grading of the standard.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 602	FOOTWEAR PATTERN DESIGN AND GRADING SYSTEM LAB	SIXTH
<ol style="list-style-type: none"> <li>1. Introduce the basic commands of shoemaster (3D POWER &amp; CREATIVE ) software.</li> <li>2. To make the complete shell of the shoe standard in 3D view.</li> <li>3. Design the 3D patterns.</li> <li>4. Grading the shoes last.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 408	FOOTWEAR CLOSING TECHNOLOGY LAB	FOURTH
<ol style="list-style-type: none"> <li>1. Introduce the tools and machines used in closing.</li> <li>2. Practice the stitching in different types of stitching machine</li> <li>3. Learn about the needle and thread combination's</li> <li>4. Practice in different types of preparation operations and stitching.</li> <li>5. Analyze the stitching faults in leather and synthetic.</li> <li>6. To construct the upper in basic designs.</li> </ol>		

Course number	COURSE TITLE	SEMESTER
FEM 404	FOOTWEAR MACHINERY LAB	FOURTH
<ol style="list-style-type: none"> <li>1. Introduce the various types of machines used in footwear unit.</li> <li>2. Study about the functioning of machines and their specifications.</li> <li>3. To operate the machines and learn the working principle of machines.</li> <li>4. Study about the maintenance of machines.</li> <li>5. Study about the precautions while operating the machines.</li> </ol>		
Course number	COURSE TITLE	SEMESTER
FEM 402	LEATHER AND FOOTWEAR TESTING LAB	FOURTH
<ol style="list-style-type: none"> <li>1. Introduce the various apparatus and machines used in physical and chemical tests on leather and synthetic material.</li> <li>2. Analysis of chrome ,vegetable and other mineral tanned leathers of mineral contents, total oil and fats.</li> <li>3. Performs the various tests such as apparent density, tensile strength , elongation at break at specified load ,abrasion resistance, grain crack index ,adhesion test, flexing endurance tests.</li> <li>4. Quality control with respect to indian and international standards such as ISI, export inspection agencies</li> </ol>		