

COURSE PROGRAM FOR WEAVING OPERATORS
REGARDING MACHINE CARPETING

Gaziantep, 2015

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GENERAL INFORMATIONS REGARDING THE PROGRAM

Since occupations have been facing with changing and getting more complicated recently, professional competence begins to require extensive knowledge, skills, and behaviors, and it requires continuous development.

As a result of sweeping sector and researches, occupations in the sector have been detected, and they have been separated into second, third, fourth, and fifth occupational groups. Starting from the opinions and suggestions of the people who work in this sector, each professional competence is determined.

In the program development process' each step, collaboration with leading sector representatives provided, so that individuals and institutions could contribute the studies directly. Sector expectations reflected in the program and in this way training programs and modules were the mainstay and the content of the determined competences of occupations.

The training programs of machine carpet field have been designed based on a structure which is appropriate for updating flexibly and continuously. Individuals will be able to be employed in accordance with the current professional qualifications gained.

An education is provided for individuals from any age and any level for all occupations related to machine carpet field.

With main and sub industries, Machine Carpet Sector has contributed to the country economy especially in the employment level.

The rest competences out of the education programs can be certified used in course programs when needed.

TARGETS OF THE PROGRAM

At the end of the course program the trainee will be able:

1. To prepare the warp.
2. To describe the types of carpet.
3. To distinguish the weaving types of machine carpet.
4. To fix the knot quantities according the carpet types.
5. To explain the weave pattern of base tie.
6. To prepare the latex (bond) and finishing for the back coating machine.
7. To adjust the vapour of the back coating machine.
8. To adjust and run the back coating machine.
9. To perform the necessary controls during and after the process of back coating of the machine

PERIOD OF THE PROGRAM

1. The period for vocational education program has been planned as 1360/1016 hours.
2. The education period that has been separated into school period, enterprise period, and personal education period, will be applied as it is indicated in the instructions.

REFERENCE DOCUMENTS AND BASES

In the designing or preparing a program for machine carpeting sector, there is no available national or international validated reference documents (UMS, YB, ISCED, ISCO etc.).

DOCUMENTATION

In the course program, the trainees will be taught and trained in order them to have adequate qualifications. The target of this program is to make them qualified enough for the profession.

- All of the finished modules, trainings, gained skills and professional qualifications of the trainees during the course will be certified.
- At the end of the course all the certificates that the trainees with professional qualifications have got, will be evaluated on the main certificate according to the legislation.
- In the future, if the individuals want to change their professions or change their professions with a similar one, their gained skills will be evaluated.
- The trainees who completed the difference modules may gain the skills of a second profession.
- The individuals get a document when they finish the teaching program, so that they can use this document for other course programs as well.
- The individuals who are skilled with professional qualifications get a certificate after the course, so that they may labour in related workshops.

MODULE LIST OF THE COURSE PROGRAM

CATEGORIES OF MODULES	MODULES	PERIOD	CREDIT
VOCATIONAL MODULES	Preparing the high speed warp	40/32	
	Types of carpet	40/24	
	Weaving types of machine carpet	40/24	
	Knot quantities according carpet types	40/24	
	Back tie patterns	40/32	
	Adjust the height of the cut pile	40/32	
	Adjustment and changing of the cutting knives	40/32	
	Adjustment of density and tension	40/32	
	Adjustment of frame	40/32	
	Adjustment of jacquard loom	40/32	
	Change the base warp beam	40/32	
	Tie the warp beam	40/32	
	Weaving draft on base warp	40/32	
	Weaving draft on cut pile warp	40/32	
	Locate lamella into the machine	40/24	
	Run the carpet weaving machine 1	40/32	
	Run the carpet weaving machine 2	40/24	
	Calculation of carpet production	40/24	
	Weaving of loop pile carpet 1	40/24	
	Weaving of loop pile carpet 2	40/24	
	Tests of carpet weight	40/32	
	Tests of carpet structure	40/32	
	Tests of carpet performance 1	40/32	
	Tests of carpet performance 2	40/32	
	Tests of fastness to rubbing on the carpet	40/32	
	Manufacturing defects of carpet due to cut pile yarn 1	40/32	
	Manufacturing defects of carpet due to cut pile yarn 2	40/32	
	Manufacturing defects of carpet due to abrage	40/32	
	Manufacturing defects of carpet due to central cutting knife	40/32	
	Manufacturing defects of carpet due to jacquard platter	40/32	
	Reasons of performance decrease	40/24	
	Reasons of machine stops due to warp	40/32	
	Reasons of machine stops due to weft	40/32	
	Defects due to weft weaving (intervention)	40/32	
TOPLAM			

EXPLANATIONS FOR THE EXECUTION OF THE PROGRAM

In the modules exist in the course program, the anticipated education is provided.

In order individuals to participate into the course program, they have to be at least primary school graduates, and they need to have required personal and physical properties to perform the required tasks and qualifications.

The education can be provided in Vocational Education Centers with an adequate substructure and technical equipment, Public Education Centers, Universities, and enterprises in the sector.

In order the program to be implemented, all the equipment and supplies required by the profession have to be provided.

When there is no possibility to implement the learning activities exist in the module, the implementations can be performed by cooperation with other schools and enterprises.

The trainee is not required to take the prequalification again as long as he took one before.

The module and the qualifications will be taken in their application order in the program.

TEACHING TARGETS OF THE PROGRAM

The target of the program is to taught the course attendee to prepare the carpet for the carpet quality control & inspection machine, to determine and remove the manufacturing defects on the back side of the carpet, to determine and remove the manufacturing defects on the carpet surface.

MODULES

1. PARTNER MODULES

The target of this module is to teach and train the trainees in order to get skills about carpet machine adjustment, carpet manufacturing on machine, carpet tests, manufacturing defects of carpet due to yarn and due to machine, reasons of performance slipping on carpet weaving machines.

Name of the Module: Preparing the high speed warp

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Making the maintenance and adjustment of the warping creel
- Making the maintenance and adjustment of the high speed warp
- Preparing the warp on the warp machine.

Name of the Module: Types of carpet

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Describe the characteristics of the loop pile carpet.
- Describe the characteristics of the shaggy carpet.
- Describe the characteristics of the chenille carpet.
- Describe the characteristics of the carved carpet.

Name of the Module: Weaving types of machine carpet

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Describe the characteristics of the wilton carpet.
- Describe the characteristics of the axminster carpet.

Name of the Module: Knot quantities according to the carpet types

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Fix the weft density for carpet types.
- Fix the reed size for carpet types.

Name of the Module: Base tie weave pattern

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Describe the 1/1 back pattern.
- Describe the 1/2 back pattern.
- Describe the 2/3 back pattern.
- Describe the 1+1/2 back pattern.
- Describe the 1+2/3 back pattern.

2. VOCATIONAL MODULES

Name of the Module: Adjusting the carpet machine

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Check the height of cut pile.
- Adjust the height of the cut pile on machines with double hook knife.
- Adjust the height of the cut pile on machines with triple hook knife.

Name of the Module: Adjust and change the cutting knives

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Adjusting the edge knives.
- Changing the edge knives.
- Adjusting the carpet middle cutting knife.
- Changing the carpet middle cutting knife.

Name of the Module: Adjustment of density and tension

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Changing the lancet.
- Adjusting the density of the weft.
- Adjusting the tension of the tie and backfill warps.

Name of the Module: Adjustment of frame

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Adjusting the height of foot on the foot frame.
- Adjusting the height of the frame on connection arm.
- Adjusting the moving area of the frame.

Name of the Module: Adjustment of jacquard loom

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Adjusting the level of jacquard loom's lot
- Adjusting the level of one colour jacquard loom

Name of the Module: Change the base warp beam

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Prepare the finished base warp beam for changing.
- Changing the upper base warp beam.
- Changing the lower base warp beam.

Name of the Module: Tie the warp beam

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Tie the warp beam by hand.
- Tie the machine and warp beam.

Name of the Module: Weaving draft on base warp

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Make the weaving drafts of tie and backfill yarns.
- Put the base yarns through the jacquard loom.
- Put the base yarns through the reed.
- Tie the base warps to the carpet.

Name of the Module: Weaving draft on cut pile warp

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Put the cut pile warp through the frames and the jacquard loom.
- Put the cut pile warp through the reed.

Name of the Module: Locate lamella to the machine

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Locate the base warp lamellas to the machine.
- Locate the cut pile lamellas.

Name of the Module: Run the carpet weaving machine 1

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Take the weft yarns to the guide weft regulator.
- Check the level of the shedding.
- Check the arrangement of the colour of jacquard loom and back pattern.

Name of the Module: Run the carpet weaving machine 2

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Run the machine.
- Take the weaved carpet from the machine.

Name of the Module: Calculation of carpet production 2

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Be able to calculate the raw material on the machine.
- Be able to calculate the production on the machine.

Name of the Module: Weaving of loop pile carpet 1

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Choose the suitable lancet according to the loop pile length.
- Locate the loop pile lancet.

Name of the Module: Weaving of loop pile carpet 2

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Make the edge weave pattern for the loop pile support weft.
- Pull the loop pile support weft.

Name of the Module: Tests of carpet weight

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix the mass of the cut pile on carpet.
- Fix the surface cut pile weight on carpet.
- Fix the weight on each m² on carpet.

Name of the Module: Tests of the carpet structure

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix the weight of the carpet.
- Fix the knot density of the carpet.
- Fix the cut pile height of the carpet.

Name of the Module: Tests of carpet performance 1

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix the knot strength of the carpet.
- Fix the wearing of the carpet.
- Fix the pilling on the carpet.

Name of the Module: Tests of carpet performance 2

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix the thickness decrease of the carpet under dynamic weight.
- Fix the thickness decrease of the carpet under static weight.

Name of the Module: Tests of fastness to rubbing on the carpet

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Make the test of dry fastness to rubbing
- Make the test of wet fastness to rubbing

Name of the Module: Manufacturing defects of carpet due to cut pile yarn 1

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Make adjustment if there are a lot of deflections in a few cut pile yarn on cut pile.
- Make adjustment if there are a lot of deflections.
- Make adjustment if there is an area without cut pile (cage mistake).

Name of the Module: Manufacturing defects of carpet due to cut pile yarn 2

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Make adjustments if there is a deflection along the cut pile yarn on the cut pile.
- Make adjustments if there is a discontinuous deflection along the cut pile yarn on the cut pile.

Name of the Module: Manufacturing defects of carpet due to the **abrage**.

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Weave sample (sample carton) in order to fix the abrage.
- Fix the design defects and correct them.

Name of the Module: Manufacturing defects of carpet due to middle cutting knife

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix and correct the defect due to knife wearing.
- Fix and correct the defect due to knife's not proper for cutting.

Name of the Module: Manufacturing defects of carpet due to jacquard platter

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Make adjustment if there is a fizz of back pile on the carpet back side.
- Make adjustment if there is a point fizz of back pile on the carpet back side.

Name of the Module: Reasons of performance decrease

Duration of the Module: 40/24 hours

Teaching Targets of the Module

- Fix the reasons of machine performance decrease due to yarn.
- Fix the reasons of machine performance decrease due to machine.

Name of the Module: Reasons of machine performance decrease due to the warp

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix and correct the cut pile break when the lamella falls.
- Fix and correct the cut pile break when the lamella doesn't fall.

Name of the Module: Reasons of machine performance decrease due to weft

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Fix the breakdown of the weft regulator.
- Fix the weft break when the machine is running manually.

Name of the Module: Defects due to weft intervention

Duration of the Module: 40/32 hours

Teaching Targets of the Module

- Correct the defect occurred during foot searching.
- Find and amend the foot intervention defect.

MODULE INFO PAGE

FIELD : **MACHINE CARPETING**

OCCUPATION / BRANCH : **CARPET WEAVING OPERATOR**

MODULE : **PREPARING THE HIGH SPEED WARP**

DURATION : **40/32**

PRECONDITION : The trainee has to be finished the certificate program for warping creel regarding machine carpeting module.

EXPLANATION : Should be applied in the plant area where the warping creel systems, high speed warp machine, compressed air gun, brush, suitable oil, oil gun, reel, warp beam, set of key and screwdriver and calculator are available.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If backcloth be provided, the trainee will be able to prepare the warp in accordance to the maintenance and job order.

TARGETS:

The trainee will be able to:

1. Make the maintenance and adjustments of the warping creel.
2. Make the maintenance and adjustments of the high speed warp machine.
3. Prepare the warp on the high speed warp machine.

CONTENTS:

1. To make the maintenance and adjustment of the warp creel system

- 1.1. Types of preparing warp.
- 1.2. Sections and functions of the warping creel.
- 1.3. Make the maintenance and adjustments of the warping creel.
- 1.4. Points to consider during maintenance and adjustments of the warping creel.

2. To make the maintenance and adjustment of the high speed warp machine

- 2.1. Sections, functions and operation principles of the high speed warp machine.
- 2.2. Make the maintenance and cleaning of the high speed warp.
- 2.3. Make the adjustment of the high speed warp.
- 2.4. Points to consider during maintenance and adjustments of the high speed warp.

3. Prepare the warp on high speed warp machine

- 3.1. Calculation of high speed warp.
- 3.2. Points to consider during putting the reel to the warp creel.
- 3.3. To tie the warp yarns to the warp beam.
- 3.4. Adjust the length.
- 3.5. Adjust the cylinder.
- 3.6. Adjust the tension of the warp yarns.
- 3.7. Adjust the high speed warp reed according the width of warp beam.
- 3.8. Take out the full warp beam from the high speed warp machine.

ASSESSMENT AND EVALUATION

1. Be able to explain the sections and operation principles of the high speed warp machine.
2. Be able to make the maintenance and cleaning of the high speed warp machine.
3. Be able to make the adjustment of the high speed warp machine.
4. Be able to make calculation of the high speed warp machine.
5. Be able to locate the reels to warping creel.
6. Be able to adjust the length.
7. Be able to adjust the cylinder
8. Be able to adjust the tension of the warp yarns.
9. Be able to adjust the warp reed of the high speed warp machine.
10. Be able to take the full warp beam out of the machine.
11. Be able to put the card with the characteristics of the warp on the warp beam.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: TYPES OF CARPET
DURATION	: 40/24
PRECONDITION	: The trainee has to be finished the module of preparing the high speed warp
EXPLANATION	: Pen, paper, eraser

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the carpet types.

TARGETS:

The trainee will be able to:

1. Describe the characteristics of loop pile carpet.
2. Describe the characteristics of shaggy carpet.
3. Describe the characteristics of chenille carpet.
4. Describe the characteristics of carved carpet.

CONTENTS:

1. Yarns used on loop pile carpets.
2. Using performances of loop pile carpets.
3. Knot length and density of loop pile carpets.
4. Yarns used on shaggy carpets.
5. Using performances of shaggy carpets.
6. Yarns used on chenille carpets.
7. Using performances of chenille carpets.
8. Ratio of chenille/cut pile on chenille carpets.
9. Yarns used on carved carpets.
10. Using performances of carved carpets.
11. Design structures on carved carpets.

ASSESSMENT AND EVALUATION

1. Be able to describe the main characteristics of loop pile carpets.
2. Be able to describe the characteristics of yarn on loop pile, shaggy, chenille and carved carpets.
3. Be able to fix the using performances on loop pile, shaggy, chenille and carved carpets.
4. Be able to fix the reed sizes and weft densities on loop pile, shaggy, chenille and carved carpets.
5. Be able to fix the cut pile lengths on loop pile, shaggy, chenille and carved carpets.
6. Be able to describe the using areas of shaggy carpets.
7. Be able to describe the characteristics of base yarn on chenille carpets.
8. Be able to describe the characteristics of motives on carved carpets.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: WEAVING TYPES OF MACHINE CARPET
DURATION	: 40/24
PRECONDITION	: The trainee has to be finished the module of types of carpet
EXPLANATION	: Pen, paper, eraser

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the weaving types of machine carpet

TARGETS:

The trainee will be able to:

1. Describe the characteristics wilton carpet.
2. Describe the characteristics axminster carpet.

CONTENTS:

1. Wilton carpet

- 1.1. Wired Wilton
- 1.2. Face to face Wilton
 - 1.2.1. Single mouth weaving.
 - 1.2.2. Double mouth weaving.
 - 1.2.3. Triple mouth weaving.

2. Characteristics of Axminster carpet

- 2.1. Structure of needle (gripper) axminster carpets.
- 2.2. Structure of Royal axminster weaving carpets.
- 2.3. Structure of pulley wheel axminster weaving carpets.
- 2.4. Structure of chenille axminster weaving carpets.

ASSESSMENT AND EVALUATION

1. Be able to categorize the wilton carpets.
2. Be able to describe the characteristics of wired wilton carpets.
3. Be able to describe the single, double and triple mouth face to face wilton weaving carpets.
4. Be able to categorize the axminster carpets.
5. Be able to describe the characteristics of axminster carpets.
6. Be able to describe the characteristics of needle (gripper), royal, pulley wheel and chenille axminster carpets.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: KNOT QUANTITIES ACCORDING CARPET TYPES
DURATION	: 40/24
PRECONDITION	: The trainee has to be finished the module of weaving types of machine carpet
EXPLANATION	: Weft and warp yarns, paper, pen.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : **As long as the needed condition is provided**, the trainee will be able to fix the suitable weft density and reed size for carpet.

TARGETS:

The trainee will be able to:

1. Fix the suitable weft density size for carpet.
2. Fix the suitable reed size for carpet.

CONTENTS:

1. **Weft and warp yarn numbers suitable for carpet type.**
2. **Weft density space for required weaving carpet.**
3. **Carpet weaving reed.**
4. **Calculation of the reed size for required carpet.**
5. **Calculation of knot quantity with weft density and reed size.**

ASSESSMENT AND EVALUATION

1. Be able to fix the cut pile, base warp, base fill warp, weft yarn size used on the carpet.
2. Be able to fix the suitable weft density space for types of carpet weaving.
3. Be able to fix the warp densities of weaving carpet.
4. Be able to calculate the suitable reed size with warp size and density for types of carpet weaving.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: BACK TIE PATTERNS
DURATION	: 40/32
PRECONDITION	: The trainee has to be finished the module of knot quantities appropriate for the carpet types
EXPLANATION	: Carpet, paper, pen.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : As long as the required conditions are provided, the trainee will be able to fix the back pattern used on carpets.

TARGETS:

The trainee will be able to:

1. Describe the 1/1 back pattern.
2. Describe the 1/2 back pattern.
3. Describe the 2/3 back pattern.
4. Describe the 1+1/2 back pattern.
5. Describe the 1+2/3 back pattern.

CONTENTS:

1. Tie shape of 1/1 back pattern.
2. Carpet types where the 1/1 back pattern used.
3. Yarn structures used on 1/1 back pattern.
4. Tie shape of 1/2 back pattern.
5. Carpet types where the 1/2 back pattern used.
6. Yarn structures used on 1/2 back pattern.
7. Tie shape of 2/3 back pattern.
8. Carpet types where the 2/3 back pattern used.
9. Yarn structures used on 2/3 back pattern.
10. Tie shape of 1+1/2 back pattern.
11. Carpet types where the 1+1/2 back pattern used.
12. Yarn structures used on 1+1/2 back pattern.
13. Tie shape of 1+2/3 back pattern.
14. Carpet types where the 1+2/3 back pattern used.
15. Yarn structures used on 1+2/3 back pattern.

ASSESSMENT AND EVALUATION

1. Be able to fix the carpet types where the 1/1, 1/2, 2/3, 1+1/2, 1+2/3 back tie patterns are used.
2. Be able to describe the knot toughness of carpets where the 1/1, 1/2, 2/3, 1+1/2, 1+2/3 back tie patterns are used.
3. Be able to make the drawings of the 1/1, 1/2, 2/3, 1+1/2, 1+2/3 back tie patterns.
4. Be able make the drawings of the shape of weft tie of the 1/1, 1/2, 2/3, 1+1/2, 1+2/3 back ties patterns.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: ADJUST THE HEIGHT OF THE CUT PILE
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving loom, set of wrench, carpet cut pile length measuring equipment, callipers.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : As long as the needed conditions are provided, the trainee will be able to fix the cut pile length on machines with double or triple hook knife, by properly using and reading the cut pile measuring device and callipers

TARGETS:

The trainee will be able to:

1. Check the length of the cut pile.
2. Fix the cut pile length on machines with double hook knife.
3. Fix the cut pile length on machines with triple hook knife.

CONTENTS:

- 1. Carpet cut pile measuring device and tools**
 - 1.1. Types
 - 1.2. Measuring types
- 2. Technic of the carpet cut pile measuring**
- 3. Key types**
- 4. Carpet cut pile support breast**
 - 4.1. Structure
 - 4.2. Adjusting points
 - 4.3. Moving direction
 - 4.4. Moving quantity
- 5. Adjusting of the breast**
- 6. Carpet weaving looms with triple hook knife**
 - 6.1. Structure
 - 6.2. Differences between the double hook knife
 - 6.3. Running

ASSESSMENT AND EVALUATION

1. Be able to measure the carpet cut pile height with using the cut pile measuring device.
2. Be able to adjust the cut pile height on the cut pile adjusting breast.
3. Be able to put the lancet to the required cut pile height level with using the lever jack key.
4. Be able to adjust the cut pile length on machines with double and triple hook knife.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: ADJUSTMENT AND CHANGING OF THE CUTTING KNIVES
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving loom, cutting knife, carpet production workshop, set of wrench.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : As long as the needed conditions are provided, the trainee will be able to adjust and change the edge and central cutting knives by making sensitive measurements and taking the necessary safety measures.

TARGETS:

The trainee will be able to:

1. Adjust the edge cutting knives.
2. Change the edge cutting knives.
3. Adjust the central cutting knives.
4. Change the central cutting knives.

CONTENTS:

1. **Target of the cutting carpet edge**
2. **Types of the knives for carpet edge cutting**
3. **Carpet edge cutting knife tray**
 - 3.1. Types
 - 3.2. Working
4. **Carpet central cutting knives**
5. **Carpet central cutting knife tray**
 - 5.1. Types
 - 5.2. Working

ASSESSMENT AND EVALUATION

1. Be able to fix the direction of the knife according to the cutting area.
2. Be able to adjust the edge cutting knife.
3. Be able to put out the edge cutting knife device.
4. Be able to change the edge cutting knife.
5. Be able to adjust the central cutting knife according to the carpet.
6. Be able to put out the central cutting knife.
7. Be able to change the central cutting knife.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: ADJUSTMENT OF DENSITY AND TENSION
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, set of wrench, lancet, callipers, operator panel, instruction manual.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to adjust the weft density and warp tension on carpet weaving machine.

TARGETS:

The trainee will be able to:

1. Change the lancet.
2. Adjust the weft density.
3. Adjust the tension of tie and fill warp.

CONTENTS:

- 1. Lancet**
 - 1.1. Characteristics
 - 1.2. Structure
 - 1.3. Types
 - 1.4. Usage areas
- 2. Adjustments setting on machine display**
- 3. Instruction manual of the machine**
- 4. Factors to the carpet of the carpet density**
- 5. Carpet base warps**
 - 5.1. Structure
 - 5.2. Target
 - 5.3. Effects on the carpet
- 6. Effects of the warp tension on the carpet**
- 7. Yarns which used on warp**
 - 7.1. Numbers
 - 7.2. Types of fibres
 - 7.3. Types of tension adjustment

ASSESSMENT AND EVALUATION

1. Be able to open the lancet fixing spindle by using correct size key.
2. Be able to put out the lancets.
3. Be able to fix the reed tooth quantity which passed by the lancet.
4. Distinguish the base and cut pile warps.
5. Locate the lancet in lancet housing.

6. Be able to open the page for adjustments on the operator panel.
7. Be able to choose the measurement system on the operator panel.
8. Be able to set the weft density on the operator panel.
9. Be able to fix the weft density of the carpet.
10. Be able to fix tie warp tension according to weft density and locate the correct warp weight according the tension.
11. Be able to fix the fill warp tension and weight.
12. Be able to locate the fill warp weights in its place.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: ADJUSTMENT OF FRAME
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, set of wrench, lever jack, callipers
METHODS AND TECHNIQUES OF TEACHING:	In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to adjust the frame height and frame work area of frame hoof and connecting arm with support of his teammates.

TARGETS:

The trainee will be able to:

1. Adjust the frame height adjustment of the frame hoof.
2. Adjust the frame height adjustment of the connecting arm.
3. Adjust the frame moving area.

CONTENTS:

1. **Frames**
 - 1.1. Structures
 - 1.2. Characteristics
 - 1.3. Types
2. **Types of frame adjusting**
3. **Types of frame move transmitting**
4. **Geometry of shedding**
5. **Types of shedding**
6. **Models of shedding**
7. **Effects of shedding types and shedding models on weaving**

ASSESSMENT AND EVALUATION

1. Be able to unscrew the edge and central adjusting bolts of frame hook with correct wrench.
2. Be able to take the frames into correct location after moving the frames with lever jack according the warp-hook knife position.
3. Be able to unscrew the bolt of the connecting arm with correct wrench set.
4. Be able to fix the frame move direction according the adjusting height level.
5. Be able to take the adjusting arm on the connecting arm to correct warp-hook knife position with turning in correct direction and using correct wrench set.
6. Be able to fix the frame moving area.
7. Be able to decide about the slipping quantity according the required moving area.
8. Be able to put the connecting arm to required moving area.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: ADJUSTMENT OF JACQUARD LOOM
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, set of wrench, lever jack, callipers
METHODS AND TECHNIQUES OF TEACHING:	In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.
GENERAL TARGET	: As long as the needed conditions are provided, the trainee will be able to run the units of the machine properly and will be able to adjust the single level colour of jacquard loom according the mouth geometry and weft carrier.

TARGETS:

The trainee will be able to:

1. Adjust the level of lot jacquard loom.
2. The single colour level of lot jacquard loom.

CONTENTS:

1. Jacquard loom tray

- 1.1. Shape
- 1.2. Structure
- 1.3. Characteristics

1. Arrangement of the jacquard loom tray according the colour of machine cut pile

ASSESSMENT AND EVALUATION

1. Be able to unscrew the right and left bolts of jacquard loom.
2. Be able to put the hook knife to the central of machine mouth manually.
3. Be able to put the cut pile warps in correct position to the hook knife.
4. Be able to fix the unsuitable knife trays.
5. Be able to adjust the single colour jacquard loom by turning the knife tray bolt.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: CHANGE THE BASE WARP BEAM
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, warp beam, scissors, set of wrench, workshop hoist, pallet truck.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to change the upper and lower warp beams by connecting the parts correctly according the safety rules and taking care the signs on the warp beam.

TARGETS:

The trainee will be able to:

4. Prepare the finished base warp for changing.
5. Change the upper base warp beam.
6. Change the lower base warp beam.

CONTENTS:

- 1. Warp beams**
 - 1.1. Shape
 - 1.2. Capacities
 - 1.3. Sizes
 - 1.4. Signs which have to be on it
- 2. Arranging the base warp beams on carpet weaving machines**
- 3. Side connecting types of beam**
- 4. Air bags**
 - 4.1. Characteristics
 - 4.2. Using target
 - 4.3. Way of using
- 5. Pallet trucks**
 - 5.1. Way of functioning
 - 5.2. Using target

ASSESSMENT AND EVALUATION

5. Be able to stop the machine by following the beam changing injunction line.
6. Be able to pass the warp yarns through the cross after taking them there.
7. Be able to run the beam manually from the beam check table.
8. Be able to cut the warp yarns.
9. Be able to put out the beam fixing cap with correct wrench.
10. Be able to connect the upper beam to the workshop hoist in correct technic.

11. Be able to put down and put in a correct place the upper beam with workshop hoist.
12. Be able to put out the beam connection part and put it to the finished beam.
13. Be able to put the loaded beam to its housing with the workshop hoist.
14. Be able to put the back and front sides of the loaded beam to their housings.
15. Be able to take up the lamella housing 10 cm by turning the screw of lever jack.
16. Be able to take out the lower beam from its housing by running it unloaded.
17. Be able to take out the unloaded beam and put the loaded beam by using pallet truck.
18. Be able to put an air bag under the loaded beam.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: TIE THE WARP BEAM
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, warp beam, edges of warp beam, stand for tying the warp, warp tie machine.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the warp beam manually or by machine, by using right yarn knot, by following the job orders and, by carding the warps properly.

TARGETS:

The trainee will be able to:

5. Tie the warp beam manually.
6. Tie the warp beam by machine.

CONTENTS:

1. Types of putting the warp beam to cross
2. Types of tying the warp beam to old beam cross
3. Types of taking tension of the beam
4. Warp beam tying machine
 - 4.1. Characteristics
 - 4.2. Running
5. Stand for beam tying machine
6. Warp tension device

ASSESSMENT AND EVALUATION

8. Be able to locate the tying stand behind of the carpet weaving machine.
9. Be able to tie the warp edges by taking one for each old and new warp edges and use the correct technic.
10. Be able to take the warp beam edge flexibility by hand.
11. Be able to locate the loaded beam warp yarns into the tying machine.
12. Be able to locate the warp yarns, coming from carpet weaving machine, into the tying machine. Be able to comb the warp yarn and make the proper.
13. Be able to check the tension of the warp yarns.
14. Be able to locate the knotting machine on the tying stand.
15. Be able to locate the old and new warp edges onto the knotting machine.
16. Be able to run the tying machine.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: WEAVING DRAFT ON BASE WARP
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, warp frames, base warp beams.
METHODS AND TECHNIQUES OF TEACHING:	In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.
GENERAL TARGET	: As long as the needed conditions are provided, the trainee will be able to make the weaving drafts of tie, fill and base warps properly.

TARGETS:

The trainee will be able to:

4. Make the weaving drafts of tie and fill yarns.
5. Pass the base yarns between the jacquard loom yarns.
6. Pass the base yarns between the reeds.
7. Tie the base warps to the carpet.

CONTENTS:

1. **What is weaving draft?**
2. **Types of weaving drafts**
3. **Types of making weaving draft**
4. **Arrange the jacquard loom yarns on carpet weaving machines according colour quantity.**
5. **Grouping by colours**
6. **Structure of the jacquard loom yarns**
7. **Structure of the heddle eye**
 - 7.1. Types
 - 7.2. Length
8. **Reeds**
 - 8.1. Numbers
 - 8.2. Types
9. **Structure of carpet edge on the machine**
10. **Tie types of the warp yarns to the carpet on the machine**
11. **Ranking of the tying of the warps to the carpet**
12. **Run the machine manually**
13. **Weaving carpet without cut pile**
14. **Types of increase the tension of warp beam**

ASSESSMENT AND EVALUATION

13. Be able to make the weaving drafts of tie and warp beam by not mixing and not leaving much yarn on the warp beams.
14. Be able to group the upper and lower tie and fill warps of the carpet.
15. Be able to group the jacquard loom yarns according the colour quantity which are passed by cut pile yarns.
16. Be able to pass the grouped base warps between the jacquard loom groups properly.
17. Be able to put the reed from its edges and central to the pend.
18. Be able to pass the warp yarns between reed teeth along the central to the edge of the reed and along the using beam.
19. Be able to measure the reed moving and length of the reed sensitively.
20. Be able to check the positions of the lower and upper carpet frames.
21. Be able to distinguish the lower and upper base warps.
22. Be able to fix the lower and upper carpet base warp knots with the carpet yarns tightly.
23. Be able to run the machine in single mouth status.
24. Be able to increase the tension of the fill and base warp beams controlled.
25. Be able to take the machine to the regular running mode.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: WEAVING DRAFT ON CUT PILE WARP
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, cut pile warps, base tie warps, weaving reed

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : As long as the needed conditions are provided, the trainee will be able to pass the cut pile warps through the frames, jacquard looms and reed by grouping the cut pile yarns, taking care to the yarn ranking and warp pass ranking.

TARGETS:

The trainee will be able to:

4. Pass the cut pile warp through the frames and jacquard loom.
5. Pass the cut pile warp through the reed.

CONTENTS:

1. Sever the cut pile warps in colour groups
2. Sever the base warp frame heddle in groups
3. Types of arranging the cut pile warp colours on jacquard loom
4. Passing the warp yarns and cut pile yarns through the reed together

ASSESSMENT AND EVALUATION

9. To be able to group the cut pile warp yarns coming from filter according their colour quantity.
10. To be able to pass the groups of colours through the reed heddle and jacquard loom heddle according ranking.
11. To be able to pass the cut pile group yarns which are located between base warp groups, through the reed tooth.
12. To be able to tie the groups passed the reed, by taking them with rope under the press iron and tie them to the profile iron.
13. To be able to fix the cut pile warp weights on the warping creel.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: LOCATE LAMELLA INTO THE MACHINE
DURATION	: 40/24
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Cut pile warps, lamellas, lamella housing, tie yarns in different colours.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : As long as the required conditions are provided, the trainee will be able to locate the base warp lamellas and cut pile lamellas into the machine by not leaving idle warp yarn and taking care about the ranking of the cut pile warps.

TARGETS:

The trainee will be able to:

3. Locate the base warp lamellas into the machine.
4. Locate the cut pile lamellas.

CONTENTS:

1. **Functions of the lamella housing**
2. **Parts of lamella housing**
3. **Locating of the lamellas according the warp colour quantity**

ASSESSMENT AND EVALUATION

6. Be able to take out the bush of base lamella housing
7. Be able to separate the base warps according the cut pile teeth with the sewing machine, located in the lamella housing.
8. Be able to put the lamellas according the ranking coming from the frame.
9. To be able to put the electrodes and connect the energy edges after throwing out all lamellas.
10. Be able to pass the cut pile warps through the lamella housing by opening the cap of the cut pile lamella.
11. Be able to distinguish the cut pile warps according the cut pile reed teeth and warping creel with the sewing machine located in the lamella housing.
12. Be able to locate the lamellas from warping creel to the machine according the warping creel colour ranking.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: RUN THE CARPET WEAVING MACHINE 1
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Weft reel, guides, regulator of weft tension, weft cabin, weft accumulator, yarn guide wire, mirror, carpet weaving machine, carpet weaving program.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : As long as the required conditions are provided, the trainee will be able to tie the wefts to the weft carrier without confusion by passing weft accumulator and guides. And be able to check the shedding level, jacquard loom colour ranking and back pattern before running the machine.

TARGETS:

The trainee will be able to:

1. Take the weft yarns to the guide weft regulator.
2. Check the shedding level.
3. Check the jacquard loom colour ranking and back pattern.

CONTENTS:

1. **Weft yarn reserve cabin**
2. **Weft regulator**
 - 2.1. Running
 - 2.2. Adjustments
3. **Weft tension adjustments**
4. **Remember the types and quantities of shedding on carpet weaving machine.**
5. **Remember the mechanisms of weft with hard hook knife**
6. **Remember the level adjustments of base and cut pie warp groups**
7. **Panel for program loading to the machine**
8. **Characteristics of cross weaving carpet**

ASSESSMENT AND EVALUATION

1. Be able to pass the weft yarns through the tension leaves in the cabin, sensor and porcelain.
2. Be able to tie the weft yarns to the hook knife by passing the weft tension and weft scissors' beads.
3. Be able to adjust the carpet weaving machine in order to run it with single colour.

4. Be able to check the level of hook knife and warp groups manually.
5. Be able to load the cross pattern design check program to the machine properly.
6. Be able to correct the defect jacquard looms.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: RUN THE CARPET WEAVING MACHINE 2
DURATION	: 40/24
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, carpet cutting knife, carpet carrying trolley

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to run the carpet weaving machine by increasing its cycle in steps. And cut the carpet after weaving is finished correctly and put it to the carrying trolley.

TARGETS:

The trainee will be able to:

1. Run the machine.
2. Take the weaved carpet from the machine.

CONTENTS:

1. **Functions on the operator panel of the carpet weaving machine**
2. **Importance of weaving carpet sample.**
3. **Sections of the weaved carpet and the sections between them**
4. **Cutting points of the carpet**
5. **Characteristics and capacities of carpet carrying trolleys.**
6. **Adjust the carpet weft density**
7. **Structure and characteristics of draw cylinders**

ASSESSMENT AND EVALUATION

1. Be able to run the machine under low cycle by using the operator panel.
2. Be able to run the machine under regular speed after one length carpet has been weaved without any defect.
3. Be able to adjust the speed of carpet draw cylinder after checking carpet weft density.
4. Be able to cut the carpet from its centre between flat weaved carpet.
5. Be able to take the carpet carrying trolley from the machine.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: CALCULATION OF CARPET PRODUCTION
DURATION	: 40/24
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, paper, pen, eraser.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to make the calculation of production.

TARGETS:

The trainee will be able to:

1. To calculate the raw material.
2. To calculate the production.

CONTENTS:

1. **Distribution of colour ratio of the carpet cut pile**
2. **Calculation of the usage of the cut pile warp quantity for 1 m² according the cut pile height.**
3. **Calculation of yarn quantity according the reel diameter.**
4. **Calculation of the ability of quantity of the carpet according the diameter of yarn on the reel.**
5. **Data on the machine operator display, about production.**
6. **Calculation about produced carpet length with weft density and number data.**
7. **Calculation of the cut pile area on total carpet length.**

ASSESSMENT AND EVALUATION

1. Be able to check the quantity of warp wire on the machine.
2. Be able to calculate the pulling ratio of the yarn on fabric.
3. Be able to calculate the total requirement of yarn according the yarn number on the production recipe for 1 meter.
4. Be able to calculate the total length of the producible carpet according the yarn on the machine.
5. Be able to see the total weft quantity on the machine display.
6. Be able to fix the tie weft density of the produced carpet.
7. Be able to calculate the total length of produced carpet and cut pile area, also the data in m² of cut pile area with production calculation formula.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: WEAVING OF LOOP PILE CARPET 1
DURATION	: 40/24
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, lancet.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to choose the correct lancet and locate it according loop pile length.

TARGETS:

The trainee will be able to:

1. Choose the correct lancet according the loop pile length.
2. Locate the loop pile lancet.

CONTENTS:

1. **Length of the loop pile using on carpets.**
2. **Length of the loop pile suitable to using cut pile yarns.**
3. **Suitable lancets for loop pile.**

4. **Suitable lancet types for carpet types**
 - 4.1. Single part lancets
 - 4.2. Double part lancets

5. **Remember the lancet replacing**

ASSESSMENT AND EVALUATION

1. Be able to choose the suitable lancet after reading the loop pile length.
2. Be able to locate first the lower carpet lancet in its place if it is a single part.
3. Be able to locate the lancet in its place if it is a single part. Be able to locate first the lower carpet lancet and then the upper carpet lancet if it has two parts.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: WEAVING OF LOOP PILE CARPET 2
DURATION	: 40/24
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, cut pile warp creel, additional warp, support weft.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to make the edge weave pattern for loop pile support wefts. And be able to pull the loop pile support wefts.

TARGETS:

The trainee will be able to:

1. Make the edge weave pattern for loop pile support wefts.
2. Pull the loop pile support wefts.

CONTENTS:

1. **Types of edge weave patterns**
2. **Additional edge warps**
3. **Way of tying of additional warps to edge weave pattern**
4. **Structures of additional weft draw unit**
5. **Place of the edge weave storage**

ASSESSMENT AND EVALUATION

1. Be able to locate the warp for cut pile warp support wefts.
2. Be able to pass these warps through their guides and cell of edge jacquard loom heddle.
3. Be able to run the machine by fixing the warps to the edge weave pattern.
4. Be able to run the machine until the edge weave pattern of support weft reached the level of weft draw unit.
5. Be able to pass the end of the edge weave pattern after cutting through the guides.
6. Be able to tie the end of the fabric to the draw cylinder.
7. Be able to draw the apparatus of the support weft.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: TESTS OF CARPET WEIGHT
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Standard atmosphere conditions, bright ambiance, scissors, ruler, assay balance, test samples.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the bulk of cut pile on the carpet, weight of the surface cut pile and weight of each m².

TARGETS:

The trainee will be able to:

7. Fix the bulk of cut pile on the carpet.
8. Fix the weight of the surface cut pile.
9. Fix the weight of each m².

CONTENTS:

- 1. Preparing and conditioning of correct sample according standards in order to fix the cut pile bulk on the carpet**
- 2. Fixing the cut pile bulk on carpet**
 - 2.1. Description and target
 - 2.2. Application
 - 2.3. Calculations and evaluations
- 3. Preparing and conditioning of correct sample according standards in order to fix the surface cut pile on the carpet**
- 4. Fixing the surface cut pile on the carpet**
 - 4.1. Description and target
 - 4.2. Application
 - 4.3. Calculations and evaluations
- 5. Preparing and conditioning of correct sample according standards in order to fix the weight of the carpet**
- 6. Fixing the weight of the carpet**
 - 6.1. Description and target
 - 6.2. Application
 - 6.3. Calculations and evaluations

ASSESSMENT AND EVALUATION

19. Be able to prepare and condition of correct sample appropriate for the standards in order to fix the cut pile bulk on the carpet.
20. Be able to calculate the weight of cut pile by putting out the cut piles of the test sample.
21. Be able to prepare the tools and working place for the next usage.
22. Be able to prepare and condition of correct sample according standards in order to fix the surface cut pile on the carpet.
23. Be able to weight the sample
24. Be able to find the gr/m² weight of the carpet by making necessary calculations.

25. Be able to crop the cut piles of the carpet.
26. Be able to find the weight of cut pile of carpet back surface
27. Be able to find the surface cut pile weight by taking out the back surface weight from the carpet weight.
28. Be able to prepare and condition of correct sample according standards in order to fix the weight of the carpet.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE DURATION	: TESTS OF CARPET STRUCTURE : 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Bright ambiance, test samples, scissors, carpet thickness measurement device, pen with ink, colour and fine nib, paper, ruler, cut pile height fixing plates (gap width 3-25 mm)
METHODS AND TECHNIQUES OF TEACHING:	In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.
GENERAL TARGET	: If required conditions are provided, the trainee will be able to fix the thickness, knot density and cut pile height of carpet by making correct measurement and calculation.

TARGETS:

The trainee will be able to:

7. Fix the thickness of carpet.
8. Fix the knot density of carpet.
9. Fix the cut pile height of carpet

CONTENTS:

1. **Prepare sample according standards in order to fix the thickness of the carpet**
2. **Carpet thickness measurement device**
 - 2.1. Characteristics
 - 2.2. Usage
 - 2.3. Parts
 - 2.4. Adjustments
3. **Fixing the carpet thickness**
 - 3.1. Description and target
 - 3.2. Application
 - 3.3. Calculation of the press weight
 - 3.4. Calculations and evaluations
4. **Prepare sample according standards in order to fix the knot density of the carpet**
5. **Fixing the knot density of the carpet**
 - 5.1. Description and target
 - 5.2. Application
 - 5.3. Calculations and evaluations
6. **Prepare sample according standards in order to fix the cut pile height of the carpet**
7. **Cut pile height fixing plates**
 - 7.1. Characteristics
 - 7.2. Usage
8. **Fixing the Cut pile height**
 - 8.1. Description and target
 - 8.2. Application
 - 8.3. Calculations and evaluations

ASSESSMENT AND EVALUATION

17. Be able to prepare sample according standards to fix the carpet thickness.
18. Be able to bring the device start position.
19. Be able to adjust the press weight according the sample.
20. Be able to put the sample into the device and run it.
21. Be able to see the thickness value from the display and register it.
22. Be able to prepare sample according standards to fix the knot density on the carpet.
23. Be able to measure the width and length and find the unit area.
24. Be able to find the total knot quantity by multiplying the knot lines and columns.
25. Be able to find the knot quantity for unit area by making necessary calculations.
26. Be able to prepare sample according standards in order to fix the cut pile height on the carpet.
27. Be able to measure the lengths to upward of the cut pile from the plate and back pattern.
28. Be able to prepare the tools and working place for using in next time.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: TESTS OF CARPET PERFORMANCE 1
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Bright ambience, knot removal strength tool, test sample, testing device (tetrapod and hexapod), furnishing test device.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the knot strength, wearing and pilling on the carpet.

TARGETS:

The trainee will be able to:

8. Fix the knot strength on the carpet.
9. Fix the wearing on the carpet.
10. Fix the pilling on the carpet.

CONTENTS:

1. **Prepare sample according standards in order to fix the knot strength on the carpet**
2. **Carpet knot removal strength tool**
 - 2.1. Characteristics
 - 2.2. Usage
 - 2.3. Adjustments
3. **Fixing the knot strength on the carpet**
 - 3.1. Description and target
 - 3.2. Application
 - 3.3. Calculations
 - 3.4. Evaluations
4. **Prepare sample according standards in order to fix the wearing on the carpet**
5. **Carpet wear fixing device**
 - 5.1. Characteristics
 - 5.2. Parts
 - 5.3. Usage
 - 5.4. Adjustments
6. **Fixing the wear on the carpet**
 - 6.1. Description and target
 - 6.2. Application
 - 6.3. Evaluations
7. **Prepare sample according standards in order to fix the pilling on the carpet**
8. **Furnishings test device**
 - 8.1. Characteristics
 - 8.2. Parts
 - 8.3. Usage
 - 8.4. Adjustments
9. **Fixing the pilling on the carpet**
 - 9.1. Description and target
 - 9.2. Application
 - 9.3. Evaluations

ASSESSMENT AND EVALUATION

26. Be able to prepare sample according standards in order to fix the knot strength on the carpet
27. Be able to put the sample on the tool and fix it with the press foot.
28. Be able to grip the end of the knot with the tongs.
29. Be able to run the device and pull the knot until it breaks.
30. Be able to read from the display the knot taking force when it breaks.
31. Be able to read the highest knot taking force, calculate the arithmetic average and register it.
32. Prepare sample according standards in order to fix the wearing on the carpet
33. Be able to locate the sample on the turning barrel.
34. Be able to adjust the turning cycle of the device and run it.
35. Be able to take out the sample, observe the exchange on the view and fix the wearing level.
36. Be able to prepare sample according standards in order to fix the pilling on the carpet and locate it on the turning drum of the device.
37. Be able to move the device on the sample according the distance and duration standards.
38. Be able to compare the part with pilling and not pilling and fix the pilling ratio on the sample.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: TESTS OF CARPET PERFORMANCE 2
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Bright ambience, carpet dynamic charging device, carpet thickness measuring device, test samples, weights according standards.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix thickness decrease under dynamic and static charge on the carpet.

TARGETS:

The trainee will be able to:

6. Fix thickness decrease under dynamic charge on the carpet.
7. Fix thickness decrease under static charge on the carpet.

CONTENTS:

- 1. Preparing sample to fix thickness decrease under dynamic charge on the carpet**
- 2. Carpet dynamic charge device**
 - 2.1. Characteristics
 - 2.2. Usage
 - 2.3. Adjustments
- 3. Carpet static charge device**
 - 3.1. Description
 - 3.2. Application
 - 3.3. Calculations
 - 3.4. Evaluations
- 4. Preparing sample to fix thickness decrease under static charge on the carpet**
- 5. Fixing thickness decrease under static charge on carpet**
 - 5.1. Description
 - 5.2. Application
 - 5.3. Calculations
 - 5.4. Interpretation of the test

ASSESSMENT AND EVALUATION

14. Be able to prepare sample for fixing the thickness decrease under dynamic charge
15. Be able to measure the thickness with the device before dynamic charge.
16. Be able to locate the sample to the dynamic charge device.
17. Be able to adjust the foot height of dynamic charge device and periodic charge duration according to the sample.
18. Be able to run the dynamic charge device and move the sample under the device forward and back during test duration.
19. Be able to stop the charging device according the cycle standards mentioned and be able to measure the weight after dynamic charging with the dynamic charging device.
20. Be able to fix the thickness decrease, by measuring result at the end and the result before dynamic charging.

21. Be able to prepare the samples for measuring the thickness decrease under static charge.
22. Be able to measure the thickness of the sample before charging.
23. Be able to put weight on the sample according the standards and applicate charge on it in the duration according to the standards.
24. Be able to put the weight away from the sample after static charge and give a break according the standards.
25. Be able to measure the thickness with the device after break.
26. Be able to fix the thickness decrease after each break by calculating the static charge before and after.
27. Be able to prepare the devices and working area for the next usage.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: TESTS OF FRICTION FASTNESS ON THE CARPET
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Friction device, adjacent fabric, grey scale

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to make dry and wet friction fastness tests.

TARGETS:

The trainee will be able to:

5. Make dry friction fastness test.
6. Make wet friction fastness test.

CONTENTS:

1. Friction fastness test

- 1.1. Target
- 1.2. Dry friction fastness
- 1.3. Crock metre
- 1.4. Way of making test
- 1.5. Evaluation of the test
 - 1.5.1. Examination in the light cabin in daylight D65.
 - 1.5.2. Grey scale
 - 1.5.3. Show the examination to a second person

2. Wet friction fastness test

- 2.1. Target
- 2.2. Pure water

ASSESSMENT AND EVALUATION

13. Be able to stick the cut pile yarn on carton parallel and properly.
14. Be able to locate the cut pile yarn into the friction device and locate the adjacent fabric into the friction head.
15. Be able to turn 10 time the friction head according the duration mentioned in the standards by putting the friction head on the sample parallel with the yarns.
16. Be able to take up the friction head and take out the adjacent fabric and compare it with the grey scale.
17. Be able to saturate water to the adjacent fabric as its weight.
18. Be able to take out the adjacent fabric and dry it as in the standards mentioned.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: MANUFACTURING DEFECTS OF CARPET DUE TO CUT PILE YARN 1
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, cut pile creel, base warp beams.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix and remove carpet defects during machine is weaving the carpet, separating and cleaning the warps, without tearing out and without changing the tension, due to the yarn by making carefully observation.

TARGETS:

The trainee will be able to:

10. Adjusting the cut pile when there is a total deflection among the cut piles.
11. Adjusting when there is a lot of deflection.
12. Adjusting when there is an area without cut pile (cage failure).

CONTENTS:

1. Tension differences on the cut pile warp.
2. Deflection defects among a few of cut pile yarns.
3. Methods of controlling the tension of the cut pile yarns.
4. Ratio of tension of base warp yarns.
5. Adjustment of tension of colour groups on cut pile warp.
6. The effect of intermingling of warp to carpet cut pile.
7. The effects of foreign bodies entered in the cut pile warps to carpet.

ASSESSMENT AND EVALUATION

29. Be able to fix a lot of deflection among a few cut pile yarn.
30. Be able to check the warp tensions from backmost to forward manually.
31. Be able to fix the first area with much tension and correct the defects on filters of warp confusion.
32. Be able to fix the deflection on one colour or completely on the upper carpet
33. Be able to check the tension of creel cut pile warp.
34. Be able to decrease and normalise the warp tension when it is too much.
35. Be able to fix the location where the cage failure is.
36. Be able to check the area between the heddle (wire) and the reed.
37. Be able to put out the foreign bodies and yarns in this area.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: MANUFACTURING DEFECTS OF CARPET DUE TO CUT PILE YARN 2
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, cut pile creel, creel.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustration, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix and remove carpet defects while machine is weaving the carpet, separating and cleaning the warps, without tearing out and without changing the tension, due to yarn by making carefully observation.

TARGETS:

The trainee will be able to:

10. Adjust when there is deflection on the cut pile among one cut pile yarn.
11. Adjust when there is discontinuous deflection on the cut pile among one cut pile yarn.

CONTENTS:

1. Find the incorrect yarn in the weaving machine.
2. Cut pile deflection among one cut pile yarn.
3. Remember the yarn tension weights.
4. Type of reel winding.
5. Remember the putting on types of the reel yarn on the creel.

ASSESSMENT AND EVALUATION

29. Be able to fix continuous or discontinuous deflection on the cut pile among one cut pile yarn of carpet.
30. Be able to fix the reel of the warp cut pile yarn which causes the deflection
31. Be able to fix the reel tension weights and take the over tension weight.
32. Be able to check and amend the last layer winding direction of the reel.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: MANUFACTURING DEFECTS OF CARPET DUE TO ABRAGE
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, carpet finishing machine, carpet brush scissors machine, purple light, creel, carpet, pattern design catalogue.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the defect area correctly due to the abrage by weaving sample carpet, compare the carpet and design catalogue carefully and make the abrage amendments.

TARGETS:

The trainee will be able to:

11. Weave sample carpet (sample cardboard) for fixing the abrage.
12. Fix and amend the abrage defects.
13. Fix and amend the design defects.

CONTENTS:

1. **Sample carpet**
 - 1.1. Structure
 - 1.2. Length
 - 1.3. Applications
 - 1.4. Research method
2. **Fix the confusions of yarn with different colour and tone by visually and with purple light.**
3. **The coincidence of area which is signed on carpet to reed and warp.**
4. **Pattern mistakes.**
5. **Reasons of design mistakes.**
6. **Pattern catalogue.**
7. **Comparing the carpet and the pattern cardboard.**

ASSESSMENT AND EVALUATION

39. Be able to install the sample weaving program on the machine.
40. Be able to weave for 100 weft carpet for all colours on the machine respectively and one by one.
41. Be able to take the carpet sample from the machine and pass it through the razor and back coating machine at finishing section.
42. Be able to check the abrage and amend the defect areas which have been fixed according to their technique..

43. Be able to fix the different colour and designs by eye and under purple light on the machine.
44. Be able to fix the abrage area on the reed and creel, and they can change the reels on the creel area.
45. Be able to weave the first carpet by pattern changing.
46. Be able to compare the pattern on the back side of the carpet with the pattern on the catalogue.
47. Be able to compare the pattern on the surface of the carpet with the pattern on the catalogue.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: MANUFACTURING DEFECTS OF CARPET DUE TO CENTRAL CUTTING KNIFE
DURATION	: 40/
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, weaved carpet, central cutting knife and its trolley, wrench set.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the carpet defects due to central cutting knife and remove them carefully according the safety instructions.

TARGETS:

The trainee will be able to:

13. Fix and amend the defects due to the wearing of the knife.
14. Fix and amend the defects due to improper cutting of the knife.

CONTENTS:

1. **Carpet central cutting knives**
 - 1.1. Types
 - 1.2. Characteristics
 - 1.3. Functioning
2. **Occurred defects when the knife doesn't cut**
3. **Occurred defects on the carpet when the knife doesn't cut properly**
4. **Trolley of cutting knife**
5. **Remember the dismantling and putting on the carpet central cutting knife**

ASSESSMENT AND EVALUATION

38. Be able to check the carpet on the machine by hand and fix the toughness points.
39. Be able to check the knife sharpen stones and remove the spaces if available.
40. Be able to dismantle the knife and its trolley from their locations.
41. Be able to clean the housing and the bottom of it.
42. Be able to check the space between the knife trolley and base.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: MANUFACTURING DEFECTS OF CARPET DUE TO JACQUARD PLATTER
MODULE CODE	:
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, cut pile creel, jacquard platter, wrench set, heddle, cut pile tension weight.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

The trainee will be able to fix and remove the deflection defects during machine is weaving carpet by separating and cleaning the warps without tearing and changing the warp tension due to the yarn, by making carefully observation

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix and remove the carpet defects due to the jacquard platter.

TARGETS:

The trainee will be able to:

12. Make adjustments if there is fizz (of back pile) on the back side of the carpet.
13. Make adjustments if there is point fizz (of back pile) on the back side of the carpet.

CONTENTS:

1. Fizz (of back pile) on the back side of the carpet.
2. Adjusting and checking the colour knife of jacquard platter.
3. Fizz (of back pile) points on the back side of the carpet.
4. Level adjustment of heddle wire.

ASSESSMENT AND EVALUATION

33. Be able to check the carpet backside and check the cut pile warp tensions and increase them if deficient when there is fizz (of back pile) on lower and upper carpet.
34. Be able to check the colour knife of jacquard platter and put them a little bit lower.
35. Be able to check the lower carpet base tie warps' tension and decrease the over tension.
36. Be able to check the colour knife of jacquard platter and put them a little bit upper.
37. Be able to fix fizz (of back pile) points on the upper carpet.
38. Be able to fix the warp reel of the cut pile yarn with fizz (of back pile) points.
39. Be able to increase the tension deflection.

40. Be able to check the heddle wire level of cut pile deflection of upper carpet and decrease the heddle level eye if it is high.
41. Be able to check the heddle wire level of cut pile deflection of lower carpet and increase the heddle level eye if it is low.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: REASONS OF PERFORMANCE DECREASE
MODULE CODE	:
DURATION	: 40/24
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix reasons of performance decreases due to the yarn and machine by observing the running harmonization of the machine parts.

TARGETS:

The trainee will be able to:

15. Fix reasons of performance decrease due to yarn.
16. Fix reasons of performance decrease due to machine.

CONTENTS:

1. The effect of the twist on the yarn to the carpet weaving
2. The effect of the nep on the yarn to the carpet weaving
3. The effect of the fibre type to the carpet weaving
4. The effect of the reel hardness to the carpet weaving
5. The effect of the strength of the yarn to the carpet weaving
6. The effect of the maladjustment of frame level to the machine output
7. The effect of the maladjustment of jacquard loom yarns plates to the output of the carpet weaving machine
8. The effect of the wearied machine parts to the output

ASSESSMENT AND EVALUATION

43. Be able to fix the performance decrease due to yarn number.
44. Be able to fix the performance decrease due to twisting of the yarn.
45. Be able to fix the performance decrease due to disconformity of reed number.
46. Be able to fix the performance decrease due to fibre type.

47. Be able to fix the performance decrease due to the winding hardness of the yarn reel, strength of the yarn and neps on the yarn.
48. Be able to fix the performance decrease due to the maladjustment of the frame level.
49. Be able to fix the performance decrease due to the deregulation of the jacquard loom plate level.
50. Be able to fix the performance decrease due to the part wearing of the weft insertion hook knife.
51. Be able to fix the performance decrease due to the jacquard loom yarns.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: REASONS OF MACHINE STOPS DUE TO WARP
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, carpet, lamella housing, lamellas, cut pile creel.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to follow the malfunction lights, check the weaved carpet, fix the break of cut pile when lamella fall or not fall, pass the yarn from right way and guides and tie it properly.

TARGETS:

The trainee will be able to:

14. Fix and amend the break of cut pile when the lamella falls.
15. Fix and amend the break of cut pile when the lamella doesn't fall.

CONTENTS:

1. The malfunction lights on the machine
2. Remember the passing places of the yarn
3. Remember the tying of the broken yarn
4. Classification of the carpet defects and the reasons
5. Finding the broken yarn
6. Bow defect on the carpet
7. Remember the adjusting of the tension of base fill warp
8. Remember the draw cylinder of the carpet

ASSESSMENT AND EVALUATION

1. Be able to fix the machine stop reasons by utilizing from the malfunction lights.
2. Be able find the broken yarn ends.
3. Be able to knot properly the yarn ends by coupling them together from their paths.
4. Be able to fix the fizz (of back pile) on the upper carpet among one line.
5. Be able the broken area from the digit on the reed.
6. Be able to look for and find the sagging and broken yarn.
7. Be able to check the regularity of the weft of the carpet on the machine sidewise.
8. Be able to check the regional or totally camber of the carpet.
9. Be able to check the tension of base fill warp beam and increase it according identified quantity.
10. Be able to check the carpet draw cylinders and clean the foreign bodies like yarn.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: REASONS OF MACHINE STOPS DUE TO WEFT
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine, weft yarn, weft regulator, filling guide, guide, weft scissors.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix the reasons of machine stops due to the weft reel and weft regulator by checking weft tension, checking the regulator in proper methods.

TARGETS:

The trainee will be able to:

14. Fix the malfunction of the weft regulator.
15. Check the reel of weft.
16. Fix the weft break during machine is running manually.

CONTENTS:

1. Malfunctions readable on the machine display
2. Weft tension
3. Malfunctions of weft regulator
4. Units on the weft regulator
5. Adjusting the tension on weft
6. Remember running machine manually
7. Stays search on machine
8. Way of putting out of the semi (finished) weft
9. Structure and types of guides, scissors and filling guides located at shedding entrance of weft

ASSESSMENT AND EVALUATION

1. Be able to read the malfunction warnings (alarms) on the machine properly and see the weft reel checking article.
2. Be able to check the entrance of the weft regulator.
3. Be able to fix the weft break.
4. Be able to pass the weft end through the guide located in the jute cabin.
5. Be able to locate the weft end to air-suction channel of the weft regulator and press the button of the air-suction.
6. Be able to take out the tension of yarn in the entrance of the regulator.
7. Be able to check the tension of the weft.
8. Be able to remove the problem occurring yarn tension.
9. Be able to see the weft break during running the machine manually.
10. Be able to take out all the wefts from the scissor and put them on the filling guide.
11. Be able to run the machine until the hook knife shedding position manually.
12. Be able to take the machine to serial running.

MODULE INFO PAGE

FIELD	: MACHINE CARPETING
OCCUPATION / BRANCH	: CARPET WEAVING OPERATOR
MODULE	: DEFECTS DUE TO WEFT WEAVING (INTERVENTION)
DURATION	: 40/32
PRECONDITION	: There is not a precondition for this module
EXPLANATION	: Carpet weaving machine and panel, reed moving, weft yarn.

METHODS AND TECHNIQUES OF TEACHING: In this chapter the following methods and techniques can be used: illustrating, lecturing, question-answer, group action (teamwork), discussion, working by practise, etc.

GENERAL TARGET : If required conditions are provided, the trainee will be able to fix and amend the errors during foot searching and foot intervention error by taking care of the harmonization between the units.

TARGETS:

The trainee will be able to:

8. Amend the error during foot searching.
9. Find and amend the foot intervention error.

CONTENTS:

1. Way of putting out and amend the defect weft
2. Errors which can be amend on the machine
3. Carpet weaving texture line and adjusting of it
4. Reed moving marks occurred on the carpet
5. The harmonized running between weft search and weft insertion units and shedding opening mechanism.
6. Adjusting the harmonization of the units from the machine panel

ASSESSMENT AND EVALUATION

28. Be able to fix the malfunction in the foot searching position.
29. Be able to decide if this malfunction can be amending or not according the weaving job.
30. Be able to dismantle the weft in last shedding.
31. Be able to tie all wefts to the hook knives.
32. Be able to put the carpet weaving line to its normal position by observing that the carpet is return to normal.
33. Be able to fix the intervention of foot defect.
34. Be able to put the high cycle button and weft search mechanism one position higher in order to amend the weft intervention.
35. Be able to amend the synchronization failure occurred on the display of the machine, by password.
36. Be able to put the pattern to the right foot after catching the right foot.