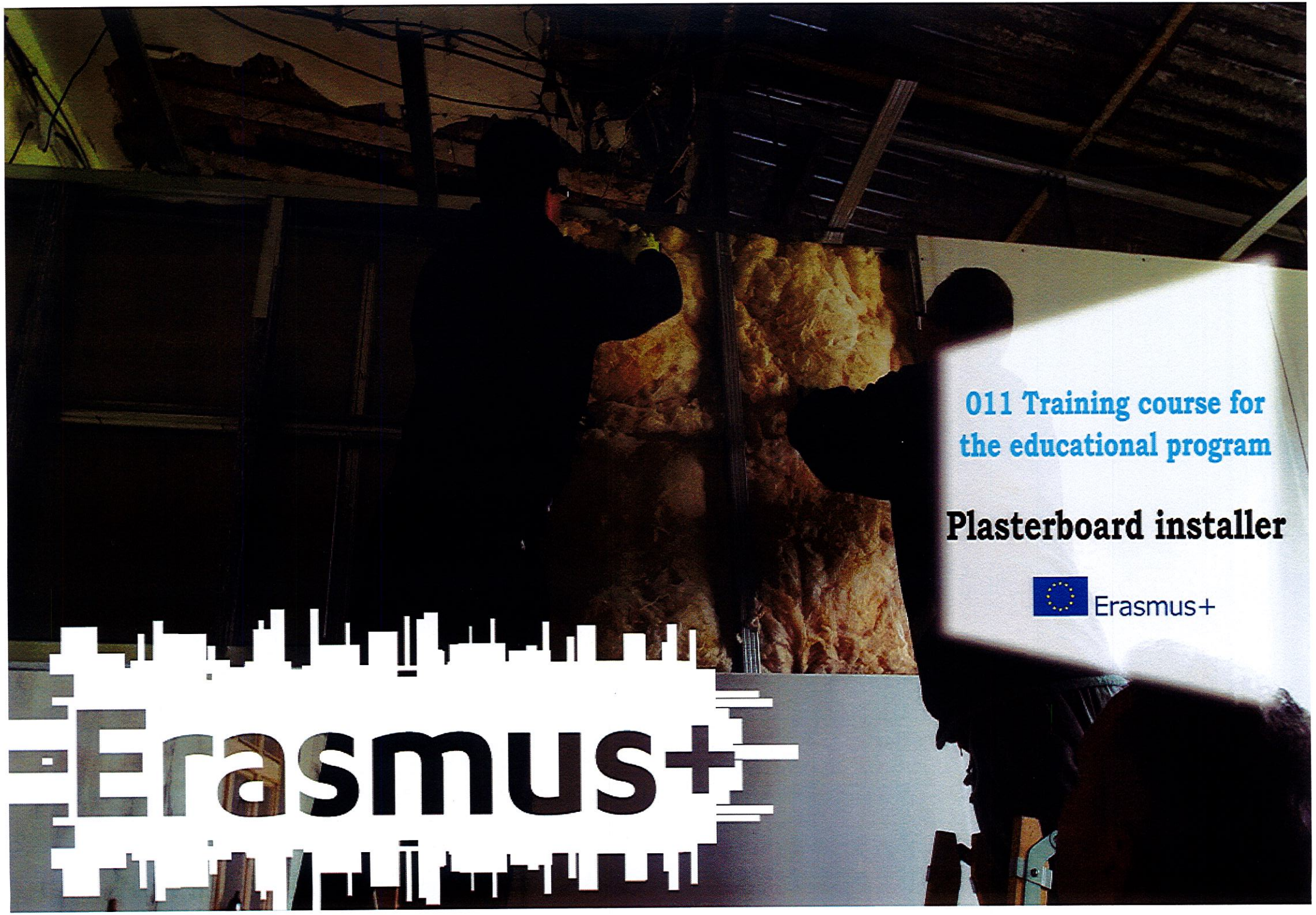
011 Training course for
the educational program
Plasterboard installer
Erasmus+
Erasmus+

C. Project of the educational program - not partitioned into modules

Name and address of the applicant
Newport Group, a.s., Lazaretská 23, 81109 Bratislava

1. Name of the educational program

Plasterboard installer

2. Organizational form of education

Presence

3. Target group

Persons interested in acquiring the professional knowledge and skills required to perform the mason activity - plasterboard installer.

4. Required entrance education

At least completed primary school

5. Graduate profile

The graduate of the education program acquires knowledge about the methods of displaying in construction, types of building drawings and marking various building materials in building documentation. He understand to drawings of various building structures is known. He has professional knowledge about types of building materials and masonry materials both natural and technically produced. He recognizes different types of building and insulating materials and can appropriately determine their use and use. He is able locate the position of the structure made from plasterboard according to the specification. He is able to adjust the shape and dimensions of the plasterboard. He is individually capable of preparing and selecting materials for the installation of vertical and horizontal plasterboard structures. He is individually able handle the vertical and horizontal assembly of the plasterboard structure. He knows the materials for cementing, grinding and other surface treatment of plasterboard and he is able to apply them in practice.

6. Methods

Lectures
Practical demonstrations
Professional practice

7. Range of module 500,00 hours

8. Module teaching scheme

Expert guarantor

Ing. Zuzana Šišáková

The name of the professional topic	Hours	Theory	Practice	Lectures
Professional drawing	20	14	6	Šišáková Z., Halamová Ľ., Galisová Z., Šveda M.
Materials used in building	100	36	64	Šišáková Z., Halamová Ľ., Galisová Z., Šveda M.
Handmade plasterboard processing	94	18	76	Šišáková Z., Halamová Ľ., Galisová Z., Šveda M.
Plasterboard structures	190	24	166	Šišáková Z., Halamová Ľ., Galisová Z., Šveda M.
Surface treatment of plasterboard structures	96	16	80	Šišáková Z., Halamová Ľ., Galisová Z., Šveda M.
Spolu	**500**			

9. Teaching schedule

Professional drawing

Ways of displaying drawings in construction

- types of building drawings according to scale
- the principles of displaying objects and parts of buildings
- dimensioning drawings
- labelling of materials on building drawings

Types of construction documentation

- reading drawings of simple building structures
- reading drawings in construction
- reading of ceiling structures
- reading drawings of structures
- reading production drawings
- reading drawings of auxiliary carpentry constructions
- reading drawings of concrete and reinforced concrete structures
- reading roof and flat roof drawings
- reading adaptations drawings
- reading executive drawings and details

PRACTICE

Identification of types of building drawings

Practice of drawing reading

Presentation and training of spatial relationships between simple building elements

Materials used in building

Building materials

- types of concrete
- the use of particular types of concrete
- concrete products and their use in construction

Binders and mortars

- binders (types, properties and use)
- mortars (types, properties and use)

Brick products
- types of brick products
- use of brick products

Insulating materials
- classification of insulating materials according to the purpose
- the use of insulation materials in construction

Natural materials

Building timber
- types of construction timber
- use of building timber
- use of timber and wood waste products

Natural stones
- products used in construction
- aggregates in mortars and concrete

Ceramic, stoneware and fibre cement products
- the use of particular products in construction

Metals and plastics
- metals, plastics, glass - use of metals, plastics and glass in practice

Plasterboard
- properties of plasterboard
- use plasterboard

Plaster, plasterboard and gypsum fibre boards
- gypsum: production, properties of gypsum for boards
- production of plasterboard and gypsum-fibre boards
- building boards, impregnated building boards, fire protecting panels
- roofing boards, insulation boards, dry floor panels
- safety and health protection in work with gypsum

Fastening material and accessoriesn
- adhesives and bonding materials

Fixing elements
- self-tapping screws, rivets, screw threads
- steel dowels for ceilings and walls
- screw anchors

Paints for plasterboard
- hydrophobizing solutions
- coatings suitable for plasterboard treatment

PRACTICE

Identification and description of types of materials used in constructione.

Practical use of particular types of materials used in construction

Design of using materials in model case

Identification of building materials and work with them.

Creating a proposal for the use of particular materials in a model situation.

Production of plaster. Production of plasterboard and gypsum fibre boards.

Fixing plasterboard and gypsum-fibre boards.

Surface treatment of plasterboard and gypsum-fibre boards.

Handmade plasterboard processing

Safety and health protection
- tools and aids for handmade plasterboard processing
- cutting tools, binder preparation and levelling
- screw driving and sealing tools

- tools for plasterboard processing
- power tools, equipment
- protective and working aids

Processing of plasterboard
- manual splitting of boards
- manual drilling of holes
- sealing with and without reinforcement tape
- installation holes, crossings, grooves
- decorative adjusting of boards

PRACTICE

Preparation and dimensioning of materials.

Choosing the right work tools.

Basic operations
- manual drilling of holes
- sealing with and without reinforcement tape
- installation holes, crossings, grooves
- decorative adjusting of boards

Plasterboard structures

Safety and health protection

Vertical construction of plasterboard
- plasterboard partition (single- walled, double-walled, multi-walled)
- Installation partition
- the arched partition
- front wall (free standing, anchored)
- dry plaster
- column tiling

Horizontal and sloping plasterboard structures
- plasterboard soffit
- attic
- dry floor

ODBORNÁ PRAX

Vertical construction of plasterboard

Preparation of working tools and proper use of tools.

Preparation and measurement of particular elements of vertical plasterboard structures according to the drawing.

Assembly and disassembly of auxiliary structures.

Installation and dismantling of vertical constructional structures made of plasterboard.
- plasterboard partition (single- walled, double-walled, multi-walled)
- Installation partition
- the arched partition
- front wall (free standing, anchored)
- dry plaster
- column tiling

Repairs of vertical plasterboard structures.

Surface protection of vertical plasterboard by coating.

Horizontal and sloping plasterboard structures
- plasterboard soffit
- attic
- dry floor

Preparation of working tools and proper use of tools.

Preparation and measurement of particular elements of horizontal plasterboard structures according to the drawing.
Assembly and disassembly of auxiliary structures.
Installation and dismantling of horizontal constructional structures made of plasterboard.

- plasterboard soffit
- attic
- dry floor

Repairs of horizontal plasterboard structures.
Surface protection of v horizontal plasterboard by coating.
Surface treatment of plasterboard structures
Safety and health protection
Coating, rolling
Smoothing, paper-hanging
Surface treatment of plasterboard walls and ceilings by decorative elements
Tiling
Artificial plasters
PRACTICE
Coating of artificial plasters
Tiling of the gypsum board
Decorative elements

Písomná skúška - test

Written examination – test
Requested success 60%

Practical exam – working-out project assignment + presentation of the results of the project assignment (professional interview)
Requested success min. 70%.

11. Material and technical provision

Areas

The training program takes place in modern training areas with audiovisual equipment. Training facilities include workshops whose professional equipment will enable participants in the learning program to acquire practical skills.

Technical equipment, teaching aids

Presentation equipment: projector, screen; PC classroom equipment; magnetic board, flipchart + fixes, blocks and stationery for participants.

Work equipment and tools: samples, catalogs, brochures, mock-ups, protective aids, gauges, various parts, various types of hand tools, plasterboards – ordinary, fire protective and impregnated, cements, smoothing materials, ribbons - reinforced, paper, glass fibre, self-adhesive, screws, anchoring elements, wooden laths, vaporizers, riveting sets.

Study materials

Odborné kreslenie pre 1. ročník SOU – stavebné odbory, Kissová M., Vydavateľstvo ALFA, 1985

Čítanie výkresov v stavebníctve, Doseděl A., Kubát J., Kubát P., Souku J., Studený M., Vydavateľstvo ALFA, 1989, ISBN 80-05-00871-6

Materiály pre 1. ročník stavebných učebných odborov, Halušková I., Chládeková Z., Vydavateľstvo KONTAKT PLUS, s.r.o., 2011, ISBN 978-80-88855-93-4

Kreslenie stavebných konštrukcií, Mikuláš M., Oláh J., Mikulášová D., Vydavateľstvo JAGA GROUP, s.r.o., 2011, ISBN 978-80-8076-088-5

Prestavby budov pre 3. ročník učebného odboru 3661 H murár, Krištofovičová, Šišáková Z., Vydavateľstvo KONTAKT PLUS, s.r.o., 2014, ISBN 978-80-89625-22-2

Stavebné konštrukcie pre 2. a 3. ročník SOU všetkých stavebných odborov, Hamák Ľ., Vydavateľstvo ALFA, 1987

Suché technológie pre stavebné študijné a učebné odbory, Pulenová K., Vydavateľstvo KONTAKT PLUS, s.r.o., 2014, ISBN 978-80-89625-23-9

Technológia pre 1. ročník stavebných učebných odborov, Bieleková M., Vydavateľstvo KONTAKT PLUS, s.r.o., 2007, ISBN 978-80-88855-74-3

Technológia pre 2. ročník učebného odboru murár, Ustaníková H., Počarovská J., Vydavateľstvo KONTAKT PLUS, s.r.o., 2009, ISBN 948-80-88855-80-4

Technológia pre 3. ročník učebného odboru murár, Ustaníková H., Počarovská J., Bieleková M.,Vydavateľstvo KONTAKT PLUS, s.r.o., 2011, ISBN 948-80-88855-96-5

Vlastné študijné materiály vychádzajúce z vyššie uvedených odborných zdrojov, v tlačenej aj elektronickej forme