

Training Program 2017

ZMERLY
HEATING ACADEMY

We don't teach.. We involve!

ZMERLY
SMART HEATING

Zmerly & CO.

Setting The Standard ... For Your Comfort



Based in Lebanon, ZMERLY & CO is the leader in the highest smart heating technologies, with over 20 years' experience selling heating systems of the highest quality, design and engineering . At ZMERLY & CO, we know the value of investing in your success; this is why in summer 2016 we launched our Heating Academy.

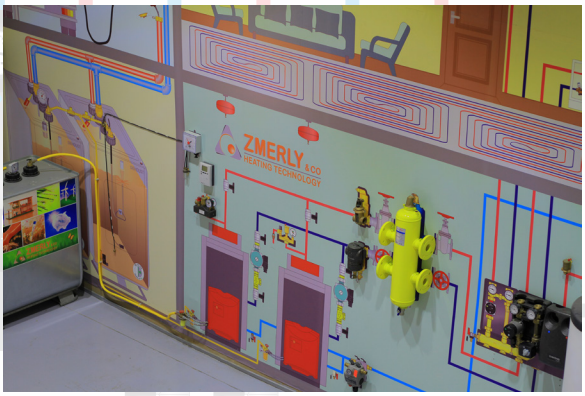
ZMERLY
HEATING ACADEMY

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We don't teach.. We involve







We are proud to contribute to the success of our partners, by sharing our knowledge and offering comprehensive training programs to promote quality in design and installation of heating systems.
Our training programs will keep you informed on the latest technology to help give you that competitive edge.



Our qualified technical training officers, with many years experience as heating technicians, will take you step-by-step through each course, combining practical installation tips with heating theory, and legislation requirements providing you with a thorough understanding of our products and applications. Each training program is very comprehensive and covers all aspects of advanced heating technology and solutions for the commercial market.

ACADEMY VISION, MISSION, AND GOALS

Our Teaching Academy is to foster a learning-centered culture that values and supports excellence in teaching, and lifelong learning.

Our Academy fulfills its mission through focused dialogue including courses, debates, discussions, seminars, and workshops.

This mission falls into the following three goals:

- Teaching and learning
- Research
- Sharing knowledge





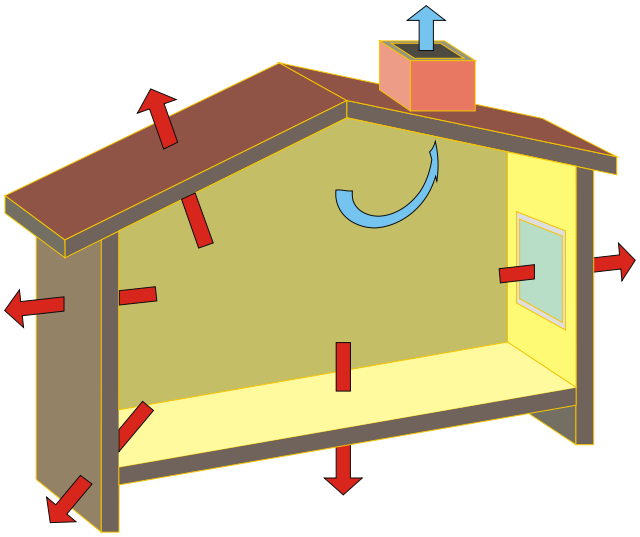


Our interactive showroom is much more than space filled with gadgets.For us, it is a hall of wisdom that surrounds visitors with information about the modern mechanical products.

HEATING ACADEMY COURSES

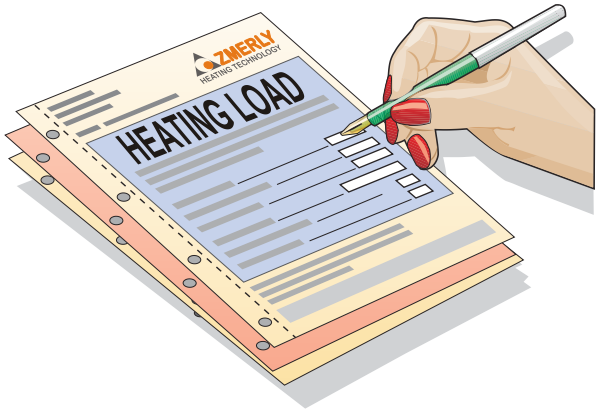
1- Heating Technology

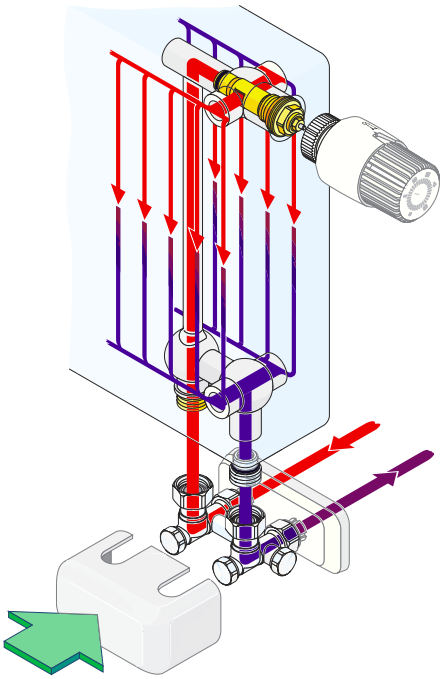
The course concentrates on the latest technologies of heating systems.The course would benefit engineers who are involve in the design and implementation of efficient heating systems.

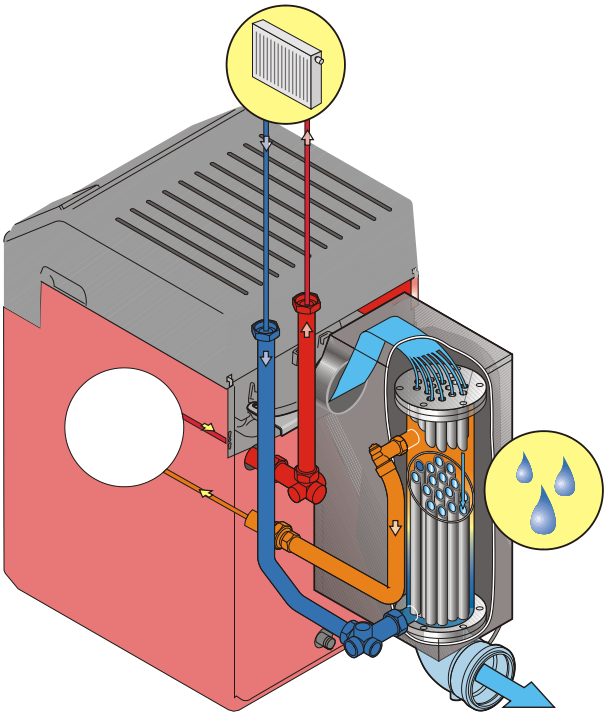


Course Topics

- General Heating system
- Heating system innovations
- Heating load calculation
- Hydraulic calculations
- Radiators and selection
- Heating circuit components
- Boiler room







HEATING ACADEMY COURSES

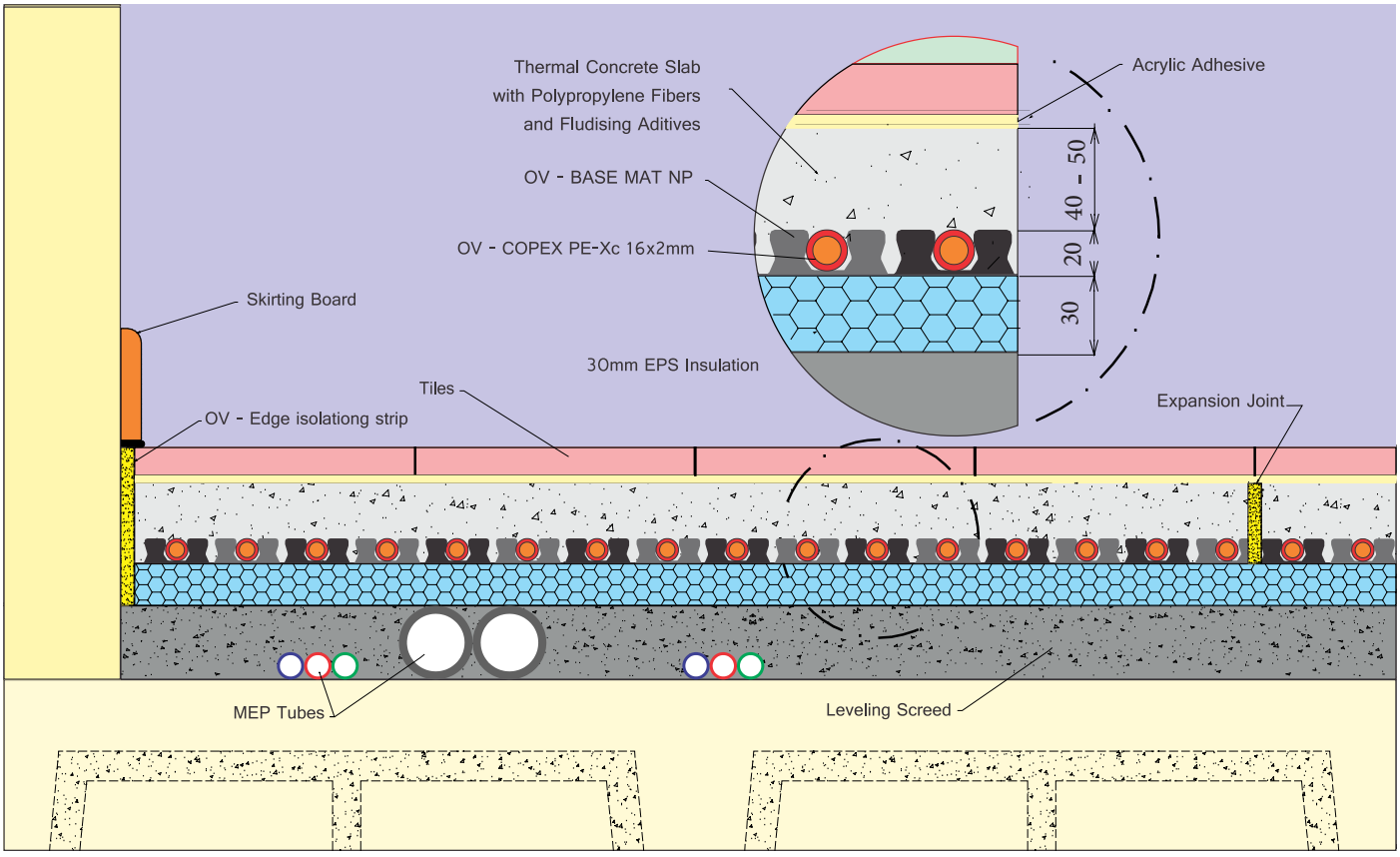
2- UnderFloor Heating

This course is for Mechanical engineers; The participants will take full information on the underfloor heating system, and its installation.
Application and theory, with the support of Oventrop Gmbh, the world leader German company in heating system components.
At the end, all participants will get a copy of OV- Plan software for calculation and desgin of underfloor heating system.



Course Topics

- Floor Heating history
- Application, Benefits
- System components
- Design parameters
- Floor heating control & electrical connection
- System calculation- theory
- System calculation- application on OV-plan software
- Installation, Testing, and commissioning



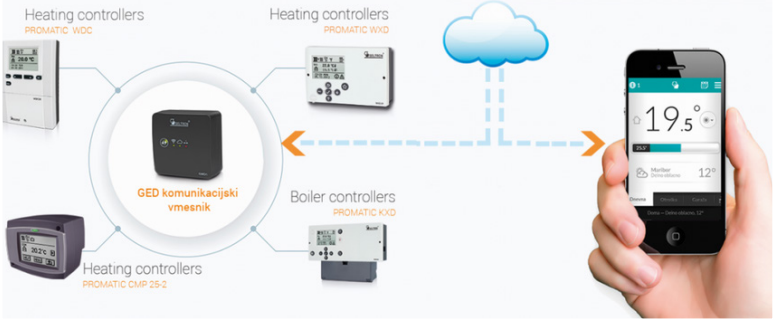
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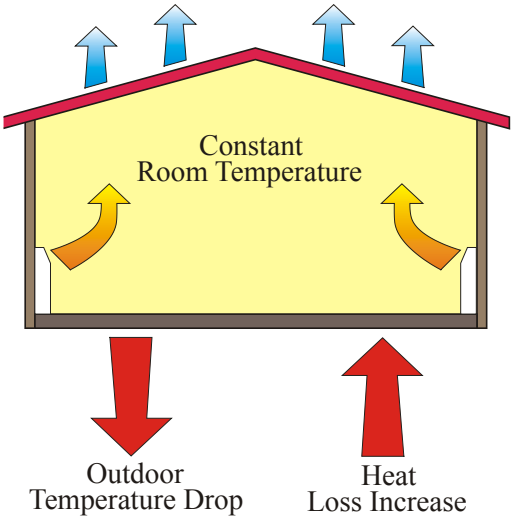
3- Heating Control

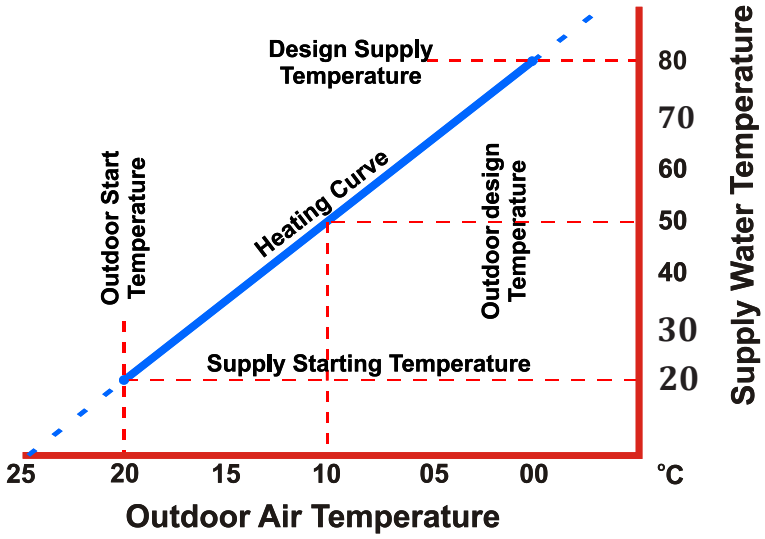
This course aims to provide expertise of knowledge for the trainees to understand the smart control of heating of solar system.
After this course, mechanical engineers will know most of the used functions needed for best operation of system.

Course Topics

- What is control?
- Control Functions and Benefits
- Boiler and Burner control
- Cascade Boiler control
- Zoning control
- Weather compensation
- Hot water control
- Solar energy control
- Seltron controllers- Application



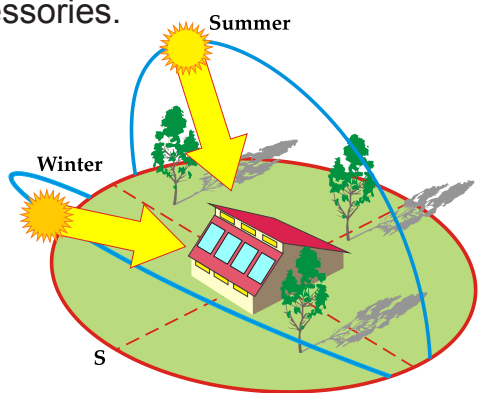




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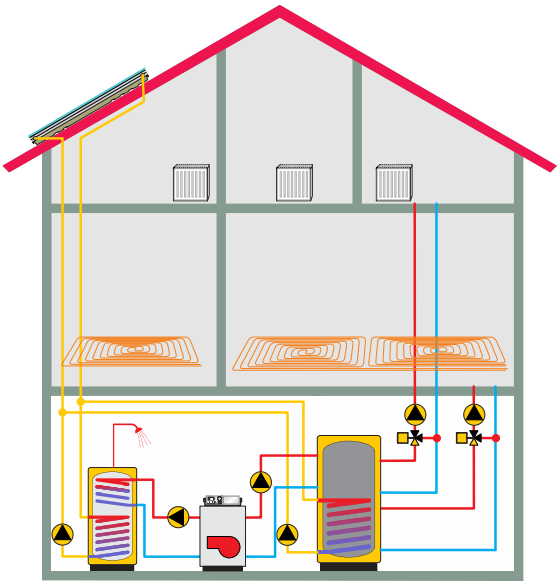
4- Solar Energy

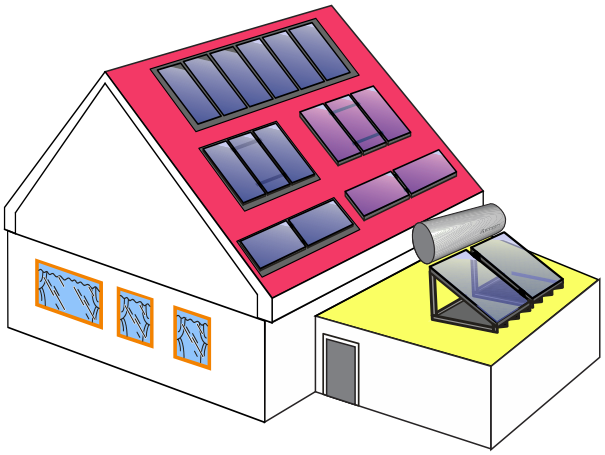
Understanding and desiging a solar thermal system, from panels to storage tanks and all intermediate equipment and accessories.

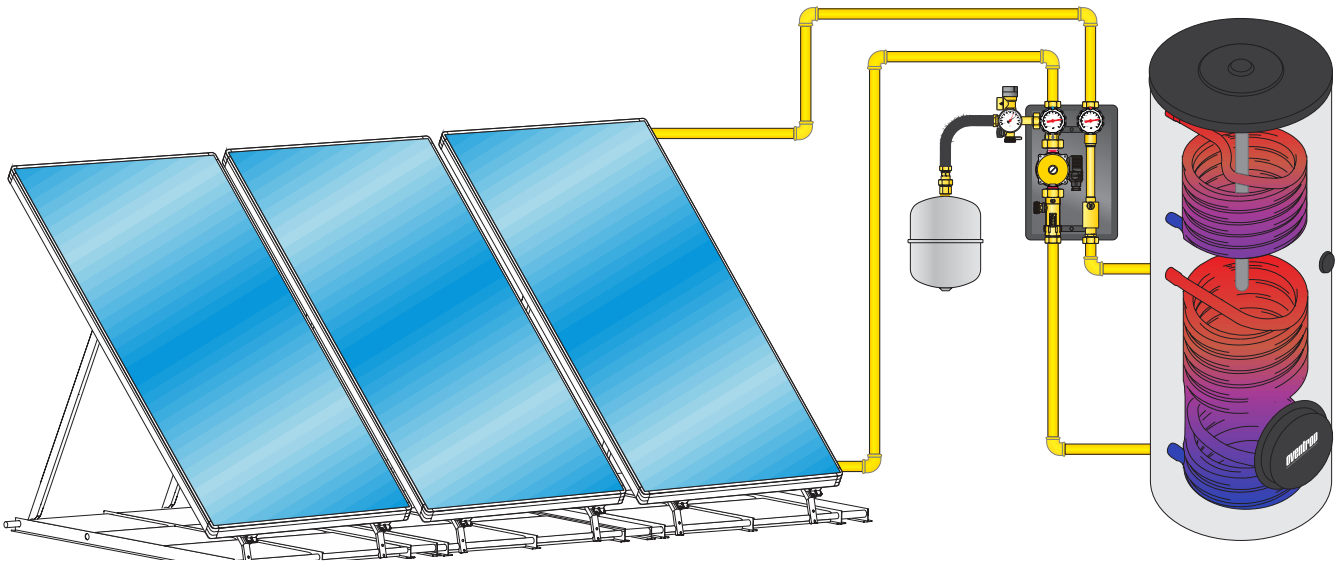


Course Topics

- Solar Energy basics
- Solar panel types
- Hot water tanks
- Solar water heaters
- Collective solar water
- Heat Storage







HEATING ACADEMY COURSES

These three courses dedicated to Mechanical engineers are in preparation for the next years.

5-Hydraulic Balancing

- Basics of Hydraulic systems
- Thermostatic radiator valves
- Double regulating valves
- Differential pressure regulators
- Pressure independent control valves
- Calculation using OV-Select software
- Balancing machine utilization

6- Boiler Room

- Types of boilers
- Cascade system
- Boiler protection and safety
- Boiler header and pumps
- Designing boiler rooms
- Control and electrical connection
- Fuel tank
- Gas distribution
- Make up water
















7- Heating Circuits

- Types of heating circuits
- Heating circuits components
- Safety in the heating system
- Pressure in the heating system
- Heating water treatment
- Sizing of system components
- Balancing of heating circuits

TRAINING PROGRAMS ON REQUEST

Engineering University students are always weclomed in our center for training and workshop.

Our courses are made especially to give students a complementary knowledge, in a very nice environment, where they will enjoy learning and connecting engineers from the field.

Another two courses for installers and facilty managment operators, are based on our long experience in the operation and maintenance of the heating and solar systems.

Zmerly Heating Academy presents dedicated training courses for:

1- Architecture and Civil engineering students

2- Mechanical engineering students

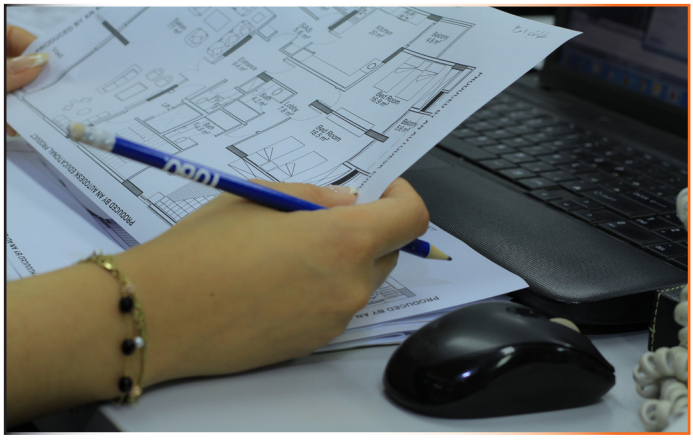
3- Facility managment companies

4 -Installers & Plumbers









Training APPLICATION

Personal information:

Name of Applicant:

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Date of Birth: ..... / ..... / ..... Male ☐

Phone Number: ..... Female ☐

Address: .....

Email: .....

Type of training needed (you can chose more than one):

☐ Heating Technology ☐ Underfloor Heating ☐ Heating Control

☐ Solar Energy ☐ Hydraulic Balancing ☐ Boiler Room ☐ Heating Circuits

☐ Students

Present Occupation:

☐ Engineer: Company: .....

Position : .....

☐ Student: College: .....

Specialization: ..... Year: .....

☐ Other: Details: .....

Courses Language:

☐ Arabic ☐ English ☐ French

Comments: .....

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How did you know about us?!

☐ Exhibition ☐ Internet

☐ Friend ☐ Facebook

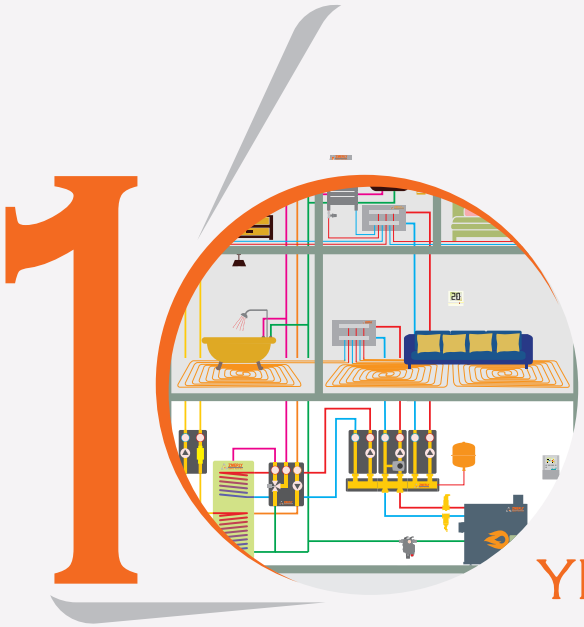
☐ Other

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Date: ..... / ..... / ..... **Signature:** .....



Kindly fill this application and send it by fax to *+961 6 412 235*
or by email to academy@zmerly.com
You can also visit our website and fill the application form online



Setting The Standard ... For Your Comfort

Reserve your seat at our website
www.academy.zmerly.com

ZMERLY ACADEMY

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