



Other Selected Topics

MEP 580- Selected Topics in Pipe Lines, Pumps, and Turbines:

Special Course: Selected and Advanced Topics Covering Latest Scientific and the most Recent Technical Methods in Applications of Mechanical Power Engineering Regarding Pipe Lines, Pumps, and Turbines.

MEP 581- Selected Topics in Control Systems for Pipe Lines, Pumps, and Turbines:

Special Course: Selected and Advanced Topics in Automatic Control Covering Latest Scientific and the most Recent Technical Methods in Control Applications of Mechanical Power Engineering Regarding Pipe Lines, Pumps, and Turbines.

MEP 582- Selected Topics in Refrigeration and Air Conditioning Engineering:

Special Course: Selected and Advanced Topics Covering Latest Scientific and the most Recent Technical Methods in Applications of Mechanical Power Regarding Refrigeration and Air Conditioning Engineering.

MEP 583- Selected Topics in Control of Refrigeration and Air Conditioning Systems:

Special Course: Selected and Advanced Topics in Automatic Control Covering Latest Scientific and the most Recent Technical Methods in Control Applications of Mechanical Power Regarding Refrigeration and Air Conditioning Engineering.

MEP 584- Selected Topics in Combustion Systems and Internal Combustion Engines:

Special Course: Selected and Advanced Topics Covering Latest Scientific and most Recent Technical Methods in Applications of Mechanical Power Regarding Combustion Systems and Internal Combustion Engines.

MEP 585- Selected Topics in Control of Combustion Systems and Internal Combustion Engines:

Special Course: Selected and Advanced Topics in Automatic Control Covering Latest Scientific and most Recent Technical Methods in Control Applications of Mechanical Power Regarding Combustion Systems and Internal Combustion Engines.

MEP 586- Selected Topics in Power Plants and Steam Engineering:

Special Course: Selected and Advanced Topics Covering Latest Scientific and most Recent Technical Methods in Applications of Mechanical Power Regarding Power Plants and Steam Engineering.

MEP 587- Selected Topics in Control Systems for Power Plants and Steam Engineering:

Special Course: Selected and Advanced Topics in Automatic Control Covering Latest Scientific and the most Recent Technical Methods in Control Applications of Mechanical Power Regarding Power Plants and Steam Engineering.

MEP 588 - Fluid Dynamics and Applications:

The governing equations of fluid flow – 1-D incompressible and compressible flows with applications- 2-D flow: Newtonian fluids, Navier-Stokes equations, examples on flow in pipes. Viscous flow and theory of lubrication- Boundary Layer flow – Turbulent flow – Applications on flow of gases and liquids in pipelines.

MEP 589 - Theory of Turbo-machines:

The fundamentals, basic concepts and basic laws of turbo-machines – Similarity of turbo-machines – 1-D flow – 2-D flow through group of blades-cascade – 3-D flow in turbo-machines.

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