Mindluster Platform

About the course Noise control in mechanical systems

Course Presenter : IIT Roorkee July 2018

Enhance your engineering expertise with our comprehensive online course on Noise Control in Mechanical Systems. Designed for aspiring and experienced engineers in the Middle East, this training course provides essential knowledge to optimize mechanical system performance while minimizing noise pollution. Gain practical skills that are highly valued in the industry, supporting your career growth and professional development. In this course, you will learn how to analyze and mitigate noise in various mechanical systems, including HVAC, manufacturing equipment, and automotive applications. The curriculum covers fundamental principles of acoustics, noise measurement techniques, design strategies for noise reduction, and the application of modern noise control solutions in real-world scenarios. By the end of this training course, you will be equipped to develop effective noise control strategies that improve system efficiency and compliance with industry standards. This course is ideal for mechanical engineers, environmental specialists, project managers, and technical professionals seeking to deepen their understanding of noise mitigation techniques. Whether you are looking to enhance your technical skills or pursue certification to advance your career, this online course offers flexible learning tailored to your schedule and professional needs. Choose this certified course on our platform for its high-quality content, expert instructors, and interactive learning experience. Our courses are recognized in the Middle East and globally, providing credibility that supports your professional reputation and future opportunities. Upon successful completion, you will receive a professional certificate that validates your expertise in noise control within mechanical systems. This certification can open doors to new career opportunities in industries focused on sustainable and compliant engineering solutions. Invest in your future today by enrolling in this noise control training course, and take a significant step toward becoming a proficient engineer with specialized skills in noise mitigation and environmental compliance. IIT Roorkee July 2018

Engineering Category's Courses

Course Lesson(60)

Lesson 1 : **Lecture 59 Case study of HVAC system and Conclusion**

Lesson 2 : **Lecture 58 Case Studies of Noise in Mechanical Systems 3**

Lesson 3 : **Lecture 57 Case Studies of Noise in Mechanical Systems 2**

Lesson 4 : **Lecture 56 Case Studies of Noise in Mechanical Systems 1**

Lesson 5 : **Lecture 55 Noise in Mechanical Systems 3**

Lesson 6 : **Lecture 54 Noise in Mechanical Systems 2**

Lesson 7 : **Lecture 53 Noise in Mechanical Systems 1**

Lesson 8 : **Lecture 52 Acoustic Metamaterials Numerical Problems**

Lesson 9 : **Lecture 51 Sonic Crystals 3**

Lesson 10 : **Lecture 50 Sonic Crystals 2**

Lesson 11 : **Lecture 49 Sonic Crystals 1**

Lesson 12 : **Lecture 48 Space Coiling Acoustic Metamaterial 2**

Lesson 13 : **Lecture 47 Space Coiling Acoustic Metamaterial 1**

Lesson 14 : **Lecture 46 Acoustic Metamaterials**

Lesson 15 : **Lecture 45 Perforated Micro Perforated Panel Sound Absorbers Numerical**

Lesson 16 : **Lecture 44 Micro Perforated Panel Sound Absorbers 2**

Lesson 17 : **Lecture 43 Micro Perforated Panel Sound Absorbers 1**

Lesson 18 : **Lecture 42 Perforated Panel Sound Absorbers**

Lesson 19 : **Lecture 41 Numerical Problems on Resonators**

Lesson 20 : **Lecture 40 Helmholtz resonators**

Lesson 21 : **Lecture 39 Panel sound absorbers**

Lesson 22 : **Lecture 38 Sound absorbers Numerical**

Lesson 23 : **Lecture 37 Porous fibrous sound absorbers**

Lesson 24 : **Lecture 36 Sound absorbers**

Lesson 25 : **Lecture 35 Sound barriers and enclosures Numerical**

Lesson 26 : **Lecture 34 Acoustic enclosures**

Lesson 27 : **Lecture 33 Sound barriers**

Lesson 28 : **Lecture 32 Passive noise control and acoustic materials**

Lesson 29 : **Lecture 31 Active noise control 2**

Lesson 30 : **Lecture 30 Active noise control 1**

Lesson 31 : **Lecture 29 Noise criteria**

Lesson 32 : **Lecture 28 Principles of noise control**

Lesson 33 : **Lecture 27 Noise measurement and instrumentation Numerical**

Lesson 34 : **Lecture 26 Considerations in acoustical measurements**

Lesson 35 : **Lecture 25 Equipment for noise control engineering 2**

Lesson 36 : **Lecture 24 Equipment for noise control engineering 1**

Lesson 37 : **Lecture 23 Noise regulations and guidelines 2**

Lesson 38 : **Lecture 22 Noise regulations and guidelines 1**

Lesson 39 : **Lecture 21 Noise and human health Numerical**

Lesson 40 : **Lecture 20 Noise and human health**

Lesson 41 : **Lecture 19 Sound Quality**

Lesson 42 : **Lecture 18 Introduction to human hearing**

Lesson 43 : **Lecture 17 Spectrum analysis Numerical**

Lesson 44 : **Lecture 16 Octave and one third octave bands**

Lesson 45 : **Lecture 15 Frequency domain analysis of sound signals 1**

Lesson 46 : **Lecture 14 Time Domain Analysis of sound signals Numerical**

Lesson 47 : **Lecture 13 Time domain analysis of sound signals**

Lesson 48 : **Lecture 12 Radiation Numerical Problems**

Lesson 49 : **Lecture 11 Radiation From Common Acoustical Sources 2**

Lesson 50 : **Lecture 10 Radiation From Common Acoustical Sources 1**

Lesson 51 : **Lecture 09 Propagation Through Medium Boundaries Oblique Incidence**

Lesson 52 : **Lecture 08 Propagation Through Medium Boundaries Numerical**

Lesson 53 : **Lecture 07 Sound Propagation Through Medium Boundaries**

Lesson 54 : **Lecture 06 Intensity and Power**

Lesson 55 : **Lecture 05 Sound Wave Propagation Numerical**

Lesson 56 : **Lecture 04 Harmonic Plane Waves**

Lesson 57 : **Lecture 03 Sound Wave Propagation**

Lesson 58 : **Lecture 02 Sound and Noise**

Lesson 59 : **Lecture 01 Introduction to Sound**

Lesson 60 : **Noise Control in Mechanical Systems**

Related courses

Cabinetry Basics

MFT and MFT related accessories

hinges workshops

CNC Computer numerical control

Jointing Systems

Cabinet tips

for Business Contact
business@mindluster.com