

Saint-Gobain Ecophon



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CPD Overview



Available CPD Material (10)



Acoustics for SEN Teaching

This seminar looks at the relevant acoustic standards for Special Education Needs (SEN) teaching. It provides a summary of the changes to Department for Education document BB93: Acoustic Design for Schools, focusing on SEN room acoustics. By the end of the seminar you should have a greater understanding of:

- How we hear
- The impact of noisy or reverberant environments, low frequency sound and its negative effects on learning
- What are the relevant acoustic standards for schools and how BB93 applies to different spaces within a school
- Design solutions to meet the new standard

This CPD can be booked as an online meeting. Please send booking enquiries to marketing@ecophon.co.uk

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology
Inclusive environments

Knowledge level:

General Awareness



Psychoacoustics in the Workplace

This presentation looks in depth at the subject of psychoacoustics and how human beings process auditory information, both psychologically and physiologically, in the context of an office setting. With an emphasis on health, well-being and performance, the subject matter also addresses the importance of acoustic biophilia in design and human responses to nature and the sounds of nature. It will help you to understand the following topics:

- How human beings perceive sound psychologically and physiologically in an office setting
- Why we perceive differently and why this is important to consider when designing office spaces
- The implications of recent research explaining perceptions of office acoustics
- How to identify different psychological and physiological auditory factors in the workplace
- The importance of biophilia, both in general and from the acoustic perspective, and ways to include elements in design
- The importance of good acoustics and how to apply practical solutions for psychoacoustics in office design

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Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology
Inclusive environments

Knowledge level:

General Awareness



Impact of Acoustics on Hospital Care and Recovery

Hospital are noisy spaces, this seminar looks at the effect of sound on people in hospital and design solutions to solve acoustic challenges. It will help you to understand the following topics:

- Understand the sources of noise in hospital, how noise travels, how noise levels are experienced and the benefits of changing the sound environment
- Understand the effect of noise on patients and their recovery, with emphasis on vulnerable patient groups
- Understand the effect of noise on staff and their ability to carry out tasks in a noisy environment
- Understand what activity based acoustic design is and how it can be applied to hospitals
- Understand the UK acoustic standard for hospitals, Health Technical Memorandum HTM 08:01 and classes of sound absorption to standard EN ISO 11654

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Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Multiple formats

Room Acoustics- Connecting to Design

This CPD gives an introduction to room acoustic design focusing on the relationship between good room acoustics and the comfort of people who use the space. The seminar discusses typical acoustic challenges found in room design and offers solutions based on avoiding or combating them utilizing ceiling and wall panel products and features that add an interesting design element to a space. By the end of the CPD you should have a greater understanding of:

- How good room acoustic design focuses on three strands, the people, the activity and the space noise affects our perception of a space
- How and why noise affects people's perception of a room
- How the design of a room affects the sound environment, and be able to change design to affect this
- How materials can be used to improve the room acoustics
- Acoustic solutions that can also be be a design feature

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Health, safety and wellbeing
Inclusive environments

Knowledge level:

General Awareness



Multiple formats

Designing for Dementia and Ageing

This CPD explores the effects of ageing and dementia on memory, sight and hearing and connects this to design, relating the information to research and standards.

Providing background information and examples of design details that may cause challenges to accessibility for older people and those living with dementia and information on and examples of ideas for achieving positive inclusive outcomes,

By the end of the CPD you should have a greater understanding of:

- Dementia and ageing; and the affects of these on our bodies and minds
- Design for inclusion
- Challenges in the design of a space that may affect an older person or someone with dementia and learn how to avoid them
- How to confidently promote positive aspects of design for dementia and ageing that help access and create engagement, and inclusion
- Current research findings and statistics on dementia

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Health, safety and wellbeing
Inclusive environments

Knowledge level:

General Awareness



Multiple formats

Office Acoustic Design with an Introduction to Psychoacoustics

This CPD explores the human centered approach to solving office acoustic issues and includes an introduction to Psychoacoustics. Psychoacoustics is the science that encompasses psychological and physiological responses to sound stimulus and gives us important knowledge about how and why human beings are affected by the peculiar aspects of the office environment. This includes performance and productivity as well as issues around health, well-being and inclusion. This presentation is evidenced-based and geared toward those who wish to gain knowledge and practical insights about how office interior environments affect human beings acoustically.

Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



A Sound Effect on People - Acoustics Podcast

"A sound effect on people" a podcast that explores how we are affected by sound. We explore how while poor acoustics can be harmful, a room with good acoustics can help you learn, work productively, even heal. Listeners will learn how our responses to sound aren't just psychological but physiological too; different sounds spark different responses within our brains and bodies. This podcast series will explore how we can make our lives better, simply by improving the acoustic of the rooms we are in.

Material type:

Podcast

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Multiple formats

Acoustics For Further and Higher Education

Hospitals are noisy spaces, this seminar looks at the effect of sound on people in hospital and design solutions to solve acoustic challenges. It will help you to understand the following topics:

- The sources of noise in hospital, how noise travels, how noise levels are experienced and the benefits of changing the sound environment
- The effect of noise on patients and their recovery, with emphasis on vulnerable patient groups
- The effect of noise on staff and their ability to carry out tasks in a noisy environment
- What activity based acoustic design is and how it can be applied to hospitals
- The UK acoustic standard for hospitals, Health Technical Memorandum HTM 08:01 and classes of sound absorption to standard EN ISO 11654

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Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology

Knowledge level:

General Awareness



Multiple formats

Acoustics in Education

This seminar will look at the impact of noise on educational environments, including three key studies on classroom acoustics: It will cover the following points:

- How we hear and who is affected by poor acoustics
- Heriot-Watt University Research
- Building Bulletin BB93 and the Equality Act 2010
- Bremen University Research Study
- Classroom acoustic standards, recommendations and solutions

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Material type:

Online Learning, Seminar

RIBA Core Curriculum:

Design, construction and technology
Inclusive environments
Legal, regulatory and statutory compliance

Knowledge level:

General Awareness



Multiple formats

Acoustic Design for International Projects

This presentation looks at basic acoustics before going into more detail about international standards and how they compare and relate to each other. It will help you to understand the following topics:

- The need for good acoustic design
- International and national acoustic standards
- Key acoustic measurements
- International trends for good acoustic design in office, health and education environments

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Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

Classifications

Subject/Product Areas (CI/SfB)

Structure

Suspended ceilings > Suspended ceiling systems

Suspended ceilings > Tiles, panels for suspended ceilings

Finishes

Wall finishes: internal > Composite wall lining systems

Ceiling finishes > Ceiling boards, panels, tiles

Services

Lighting > Lighting fittings, luminaires

Engineering

Electrical systems > Luminaires and lamps

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Inclusive environments

Knowledge level: *General Awareness*

Health, safety and wellbeing

Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*