

# ACOUSTICS AND THE MODERN HUMAN

Sound Elements as part of biophilic design

## COURSE DESCRIPTION

Rapidly changing trends in our society, such as urbanization and modern lifestyle, have resulted in the isolation of humans from our experiences within nature. Early research has shown that psychological effects of biophilic design on noise perception have a significant influence on well-being and health such as focus, information retention, productivity and creativity. In this course, we will identify these potential problems and the effects of them; as well as outline different corrective actions to mitigate/lessen the issues.

## COURSE OBJECTIVES

- Identify the physiological and psychological effects of different soundscapes on humans.
- Understand the cognitive limitations caused by sound environments including concentration and focus, processing and retaining new information, and retention and understanding.
- Understand the impact of sound on productivity and creativity.
- Identify corrective actions to improve a soundscape, including sound-absorbing materials and diffusion, geometry, ratio mix and placement.

**Course:** CEU-HSW, AIA, IDCEC, 1 Credit

**Instructor:** Slavi Younger, Co-Founder, Fräsch

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