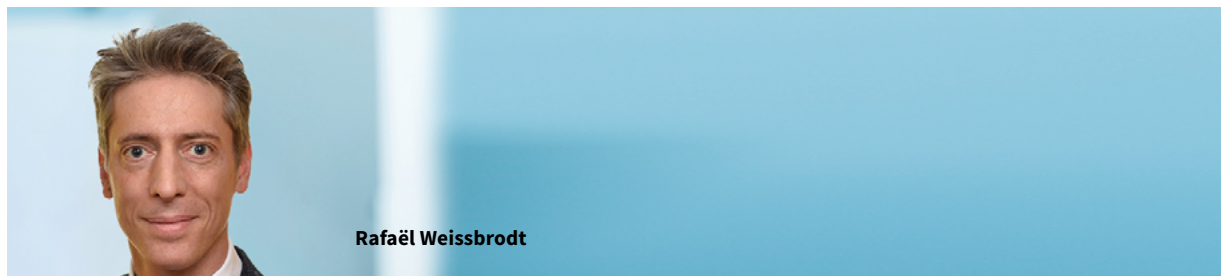


Human factors

C7



Rafaël Weissbrodt

Aim

Employees are exposed to a wide range of work-related demands and environmental factors. In addition, technological systems and human-machine interactions are continually evolving—often rapidly. To ensure health and safety in the workplace, it is essential to assess and manage human factors effectively.

Upon completion, students will be able to:

- Conduct ergonomic risk assessments
- Evaluate the balance between individual work demands and available resources
- Understand and apply key concepts related to human reliability and human error
- Identify and assess human-related risk factors in the workplace

Contents

- Ergonomic risk assessment on complex systems
- Ergonomic workplace interventions
- Human-machine interaction
- Basics of human reliability and human error
- Concepts of risk perception and risk behavior
- Introduction to Indoor Air

Methods

Lectures; Group work; Discussion round; Site visit

ECTS credits

2 ECTS credits = approx. 60 hrs. of workload

Target audience

- Students in the DAS Work+Health program
- Future and current work and health specialists
- Healthcare providers and other persons interested in work and health

Module Manager

Prof. Rafaël Weissbrodt; Associate Professor; HES-SO Santé Valais-Wallis

Administration

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Dates and location

07–10 September 2026 in Zurich

Fee

CHF 2'720.–

Registration deadline

01 August 2026