

Human factors and analysis of health risks

C6



Sven Hoffmann

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Aim	<p>Employees have to deal with a large variety of working demands and work-related exposures. Furthermore, technical systems and human-machine interfaces and interaction are subject to constant and sometimes rapid change. To keep people healthy and safe at work, human factors have to be assessed and managed.</p> <p>Upon completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Perform ergonomic risk assessments • Evaluate individual balances of work demands and resources • Understand and apply concepts of human reliability and human error • Assess human-related risk factors at work
Contents	<ul style="list-style-type: none"> • Ergonomic risk assessment • Ergonomic workplace interventions • Human-machine interaction • Basics of human reliability and human error • Concepts of risk perception and risk behavior • Indoor Air
Methods	Lectures; Group work; Discussion round; Site visit
ECTS credits	1 ECTS credits = approx. 90 hours of workload including 64 hours of on-campus lectures and 26 hours of pre-assignment and exam
Target audience	<ul style="list-style-type: none"> • Students in the DAS Work+Health program • Future and current work and health specialists • Healthcare providers and other persons interested in work and health
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Dates and location	29 October–1 November 2018 in Zurich
Fee	CHF 4 500.–
Registration deadline	18 September 2018