

Exposure assessment and hazard recognition

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Nancy Hopf

David Vernez

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| Aim | <p>You will learn how to anticipate, recognize, evaluate, and control hazards and exposures at work that may affect workers health.</p> <p>Upon completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Evaluate the work environment based on identified exposures • Identify exposure hazards • Develop appropriate sampling strategies • Analyze and interpret measurement results • Critically discuss results and draw conclusions • Write occupational hygiene report |
| Contents | <ul style="list-style-type: none"> • Fundamentals of occupational hygiene and occupational hazards • Inhalation exposures such as gas, vapors, particles (chemical and biological) • Skin exposures (chemical) • Exposures to physical agents (noise, vibration, light, thermal stress, radiation, atmospheric pressure) • Development of workplace measurement strategies and sampling |
| Methods | Lectures; Group work; Case studies; Site visits |
| ECTS credits | 3 ECTS credits = approx. 90 hours of workload including 80 hours of on-campus lectures and 10 hours of pre-assignment and exam |
| Target audience | <ul style="list-style-type: none"> • Students in the DAS Work+Health program • Occupational hygienists • Current work and health specialists |
| Module manager | <ul style="list-style-type: none"> • PD Dr. Nancy Hopf; University of Lausanne, Unisanté Département Santé au Travail et Environnement • Prof. Dr. David Vernez; University of Lausanne, Unisanté Département Santé au Travail et Environnement |
| Administration | Andrea Frederick; andrea.frederick@uzh.ch |
| Dates and location | 31 October–04 November and 14–18 November 2022 in Lausanne |
| Fee | CHF 6 800.– |
| Registration deadline | 30 September 2022 |