



Master in Life Sciences

A cooperation between
BFH, FHNW, HES-SO, ZFH

Degree Programme	Master of Science in Life Sciences (MSLS)
Specialisation	Food and Beverage Innovation
Module	Master's Thesis
Code	MSc_V1_M
ECTS Credits	40
Workload	1200 h
Module Coordinator	<p>Name Dr. Sandra Burri</p> <p>Phone +41 (0) 58 934 55 47</p> <p>Email sandra.burri@zhaw.ch</p> <p>Address ZHAW Zürcher Hochschule für Angewandte Wissenschaften Life Sciences and Facility Management Grüntal Postfach CH-8820 Wädenswil</p>
Learning Outcomes and Competences	<p>Students</p> <ul style="list-style-type: none"> • can plan, implement, evaluate and present a research and development project • acquire in-depth expertise in the chosen specialisation through intensive work on a specific topic • deepen experimental expertise in a selected area of research and gain detailed expertise into new methodologies • acquire further creative problem solving approaches • develop the ability to see things from different perspectives and link scientific and entrepreneurial ways of thinking • are able to facilitate technology and know-how between research and industry • strengthen the ability to work as part of a team, are encouraged to take initiatives and sharpen their critical thinking skills
Teaching / Learning Methods	<p>The Master's thesis itself consists of the following tasks;</p> <ul style="list-style-type: none"> • Creation of an independent, written piece of work in an expert environment • Scientific presentation and discussion of results in front of experts • Creation of a scientific poster <p>FBI-Mentoring programme Working on a Master's thesis in a research group at the Institute of Food and Beverage Innovation makes also part of the "FBI Mentoring programme". This means</p> <ul style="list-style-type: none"> • Mentors give students (Mentees) expert and professional support in the implementation of their Master's thesis • Both Mentors and Mentees are in charge of organising their contact meetings and the clarification of their mutual expectations • Mentees / MSc-Students present their Master's thesis subject once on the occasion of "FBI Snack"-events to an interested internal audience – this presentation is mandatory.

Assessment of Learning Outcome	<ul style="list-style-type: none"> • Milestone 1 “proposal / literature research” • Milestone 2 “experimental strategy” • Milestone 3 “experimental strategy” • Milestone 4 “final conclusions” • Oral presentation (pass/fail)
Language	<ul style="list-style-type: none"> • German • English
Comments	<p>Topics and supervisors can be found on the homepage: https://www.zhaw.ch/de/lsvm/studium/master-of-science-in-life-sciences/vertiefung-food-and-beverage-innovation/masters-thesis/</p> <p>Further information can be found in the document "Brochure for Master's Thesis MSLS": https://www.zhaw.ch/de/lsvm/studium/studiweb/master-ls/masters-thesis/</p>
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