



# Master in Life Sciences

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

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

<b>Assessment of Learning Outcome</b>	<ul style="list-style-type: none"> <li>• Milestone 1 “proposal / literature research”</li> <li>• Milestone 2 “experimental strategy”</li> <li>• Milestone 3 “experimental strategy”</li> <li>• Milestone 4 “final conclusions”</li> <li>• Oral presentation (pass/fail)</li> </ul>
<b>Language</b>	<ul style="list-style-type: none"> <li>• German</li> <li>• English</li> </ul>
<b>Comments</b>	<p>Topics and supervisors (mentors) can be found on this internet page:  <a href="https://www.zhaw.ch/de/lsvm/studium/master-of-science-in-life-sciences/vertiefung-food-and-beverage-innovation/masters-thesis/">https://www.zhaw.ch/de/lsvm/studium/master-of-science-in-life-sciences/vertiefung-food-and-beverage-innovation/masters-thesis/</a></p> <p>Further information can be found in the document "Brochure for Master's Thesis MSLS": <a href="https://www.zhaw.ch/de/lsvm/studium/studiweb/master-ls/masters-thesis/">https://www.zhaw.ch/de/lsvm/studium/studiweb/master-ls/masters-thesis/</a></p>
<b>Last Update</b>	15.09.2021