



# Master in Life Sciences

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

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| <b>Module</b>                            | <b>Master Thesis</b>   |
| <b>Code</b>                              | MLS-X03  |
| <b>Degree Program</b>                    | Master of Science in Life Sciences (MSLS)  |
| <b>Specialization</b>                    | Chemical Development and Production<br>Applied Biosciences<br>Viticulture and Enology  |
| <b>ECTS Credits</b>                      | 30   |
| <b>Workload</b>                          | 900 h of individual work   |
| <b>Module Coordinator</b>                | <p><b>Name</b> Dr Urban Frey</p> <p><b>Phone</b> + 41 58 900 00 00</p> <p><b>Email</b> Urban.frey@hes-so.ch</p> <p><b>Address</b> HES-SO Master, Avenue de Provence 6, 1007 Lausanne</p>   |
| <b>Lecturers</b>                         | Individual advisor   |
| <b>Entry Requirements</b>                | <p>Module MLS-X02</p> <p>Students must have acquired 54 credits and completed all corequisites to start this module. If a student has to get 4 credits or more while taking module X03, the duration of the module will be extended accordingly. The duration, deadline for the submission of the report and planned date for the defense are given in the individual project description.</p> <p>Students must have acquired 60 credits before they defend their master thesis.</p> |
| <b>Learning Outcomes and Competences</b> | The students will be able to independently define, plan, execute, document and defend a research project.  |
| <b>Module Content</b>                    | In accordance with the MLS HES-SO Master's Thesis Guide, the subject is described in detail in the individual Master Thesis Project Description.   |
| <b>Teaching / Learning Methods</b>       | Independent self-study and laboratory work with guidance by the student's principal advisor and additional key resource persons / experts.   |

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| <b>Assessment of Learning Outcome</b> | <p>Report (HES-SO template, E/D/F). Max 50 pages (without annexes). Longer reports are not accepted without specific authorization from the advisor.</p> <p>Defense (E/D/F, slides in English; 20 min. presentation &amp; 30 min. discussion).<br/>Grading of the work: Scientific Approach (25%), Practical Work (25%), Report (25%), and Defense (25%). The module is validated if the grade of the module, rounded to the nearest half point, is greater than or equal to 4.0, and if the grade of all four parts of the module (scientific approach, practical work, report and defense), rounded to the nearest tenth of a point, is greater than or equal to 3.0.</p> <p>The report and annexes have to be submitted at the date defined in the project description. If submitted late, the report will be graded 1.0.</p> <p>A one-page summary or poster has to be submitted on the day of the defense.</p> <p>Remediation: After the defense, in the case the report and/or the defense are considered as not sufficient, but the scientific approach and the practical work are satisfactory, the jury can propose a revision of the report and a second defense. The time allowed for the revision of the report is 4 weeks maximum.</p> <p>Repetition: in the case the module is failed, the student is allowed to a second try, if they have not exceeded the maximal programme duration given by the MLS regulation. They must change the subject matter and may not be supervised for the repetition by the same advisor.</p> |
| <b>Bibliography</b>                   | Documentation: “Master Thesis – Guide for Students and Advisors”   |
| <b>Language</b>                       | English  |
| <b>Comments</b>                       | <p>This module is a part of the “Master Thesis Project” group.</p> <p>All reports will be checked for plagiarism.</p> <p>For publication, the students have to provide a one-page summary (VE) or poster (AB, CDP) in English.</p>   |
| <b>Last Update</b>                    | 03.02.2023 / COPIL MLS   |