



Module Title		Innovation Challenge	
Code	MCCf463		
Degree Programme	Master of Science – Circular Innovation and Sustainability		
ECTS Credits	3		
Workload	90 hours		
Module Coordinator	Name: Prof. Dr. Frédéric Pichelin Phone: +41 (0) 32 344 03 42 Email: frederic.pichelin@bfh.ch Address: BFH – AHB, Solothurnstrasse 102, 2500 Biel-Bienne		
Lecturers	<ul style="list-style-type: none"> • Dr. Andreas Eigenheer; AHB • Milena Bettina Daphinoff; AHB 		
Entry Requirements	None		
Competencies upon Completion	After completing the module, students will be able to: <ul style="list-style-type: none"> • identify the success factors of innovation; • apply the design thinking methodology; • develop an idea with a group; • present their idea to a wide audience. 		
Content	The innovation process is complex and several methods like co-creation and design thinking have been identified as very helpful methods to structure this process. The aim of this module is to highlight the potential of these methods and apply them to a real problem/project. The group dynamic will be stimulated by a competitive environment, like Hackathon (a guided challenge in a given time frame). After presenting the challenge, experts in the field of innovation will give input to each team. The idea will be developed following the design thinking approach and finally each team will be trained to present its concept/prototype in a professional environment. The winner of this competition will be automatically entered for the willbee innovation price (willbee - Wood bee).		
Teaching and Learning Methods	<ul style="list-style-type: none"> • Project-Based Learning • Flipped classroom • Design thinking • Group project • Guest speaker • Pitching in a professional environment 		
Competency Assessment	<ul style="list-style-type: none"> • Report (60%) • Final pitch (40%) <p>Students who receive an insufficient overall grade of 3.5, are given the opportunity to carry out a <i>subsequent improvement</i> of written assignments defined by the <i>Module Coordinator</i>. The maximum overall grade that can then be obtained is 4. This still counts as the same attempt.</p>		
Mode of Repetition	Should a student fail the module, they have one more attempt. They may either: <ul style="list-style-type: none"> • Submit a new assignment (100%), defined by the <i>Module Coordinator</i>, for the next resit examination session - <u>provided the student has actively participated in the group work throughout the course.</u> • Repeat the entire module next time it is offered. 		

Format	Five times 4 lessons distributed over 7 weeks
Attendance	Not mandatory However, active participation in group work throughout the module is mandatory. A lack of commitment and/or participation in this group work can lead to exclusion from the <i>Competency Assessment</i> and therefore to failure of the module.
Module Type	Compulsory-Elective
Timing of the Module	Spring Semester, Calendar Weeks 08 to 14
Venue	Onsite Brückenstrasse 73, 3005 Bern
Literature	Literature will be provided before the start of the module via Moodle.
Language	English
Links to Other Modules	<ul style="list-style-type: none"> • MCCf163 Circular Cities • MCCf173 Circular Use of Materials • MCCf233 Social Entrepreneurship • MCCf243 Digitalization and Sustainability • MCCf453 Circular Design
Last Update	February 2026