

Module title	1.8 Expansion of personal competences: product and process innovation
Workload (ECTS)	6 ECTS
Module coordinator	Prof Dr. Frédéric Pichelin
Contributing lecturers	
Entry requirements	At least 45 ECTS have been obtained in the Master's programme
Description	<p>This module is based on individualized learning content in the thematic area Circular Product and Process Innovation. Students will acquire and deepen their personal competences in their specific field of interest.</p> <p>Together with their scientific coach, students will first define a concrete topic and then develop strategies to set personal learning targets and to acquire the related competences.</p> <p>The specific module contents for each student will, along with the mode of assessment, be recorded in Terms of Reference. The scientific coach is responsible to assess the performance of the student.</p> <p>Learning contents can be combined with the modules Expansion of personal competences: business models" (2.5) and "Expansion of personal competences: inter- and transdisciplinary project" (3.5).</p>
Learning outcomes and competences	<p>Students:</p> <ul style="list-style-type: none"> • will be able to independently develop solutions to analyse and optimize processes according to circular principles. • will be able to systematically differentiate different management options for sustainable resource use through circular designs. • will be able to actively participate in scientific discussions with specialists with a focus on circular product and process design.
Assessment of learning outcomes	Seminar presentation and discussion (30%) Individual assessment of performance according to the Terms of Reference (70%)
Didactic approach	<p>Two one-day Seminars at the beginning and end of the module as well as a mid-term peer-learning session.</p> <p>Guided self-study to set personal learning targets (Terms of Reference)</p> <p>Individually agreed course contents (according to Terms of Reference). This includes, but not limited to, self-studies, individual projects, scientific manuscripts, relevant internships, or courses at other universities. Contents must be approved by the scientific coach.</p>
Project-based learning	Individually agreed course contents (Terms of Reference).
Links to other modules	<p>Learning contents can be combined with the modules Expansion of personal competences: business models" (2.5) and "Expansion of personal competences: inter- and transdisciplinary project" (3.5).</p> <p>Seminar days will be organized together with these modules (2.5 and 3.5).</p>
Bibliography	Literature will be provided before the start of the module.
Language	English
Location	2 seminar days in Bern / otherwise flexible according to terms of reference.

