

<b>Module title</b>	<b>2.2 Circular supply chain</b>
<b>Workload (ECTS)</b>	3 ECTS
<b>Module coordinator</b>	<a href="#">Prof. Dr. Jörg Grimm</a>
<b>Contributing lecturers</b>	<ul style="list-style-type: none"> <li>• <a href="#">Prof. Dr. Jan Thomas Freccè</a></li> <li>• <a href="#">Prof. Daniel Foord</a></li> <li>• <a href="#">Dr. Maria Franco Mosquera</a></li> </ul>
<b>Entry requirements</b>	Builds on: <ul style="list-style-type: none"> <li>• Introduction to circular economy</li> <li>• Circular business models</li> </ul>
<b>Description</b>	<p>A profound understanding of supply chains and how they work is a prerequisite for realizing circular business models. The module starts with an initial examination of the characteristics of supply chains and their structures and stakeholders. The complexities and challenges in supply chains are addressed and basic approaches and practices of supply chain management are presented. As of today, linear supply chains dominate the global economy. Starting with approaches to shaping sustainable supply chains, current practices are highlighted, and limitations are considered. The module addresses the opportunities of Circular Economy principles to move linear supply chains towards circular supply chains through circular strategies. Key processes and systems (e.g., reverse logistics), information technology and digitalization trends, which enable the “Rs” in supply chains, are presented and discussed.</p>
<b>Learning outcomes and competences</b>	<p><b>Competences:</b></p> <p>Students:</p> <ul style="list-style-type: none"> <li>• can apply the basic supply chain concepts and assess possibilities and limitations to design, govern, and manage supply chains along material, information and financial flows.</li> <li>• can analyze circular business models according to necessary supply chain implementation steps and define the framework conditions for supply chains.</li> <li>• can identify opportunities and challenges in the development of circular supply chains.</li> <li>• evaluate supplier markets and suppliers according to their ability to meet circularity requirements.</li> </ul> <p><b>Outcome:</b></p> <p>Students:</p> <ul style="list-style-type: none"> <li>• can assess and discuss the transition steps from linear supply chains via closed loops to circular economy.</li> <li>• can explain the critical factors such as inter- and intra-organizational structures, methods, tools and technology (including information systems) that are relevant in designing and enabling the transition towards circular supply chains.</li> <li>• understand how circular business models and their related circular supply chains create value and what major challenges on the way of implementing a circular supply chain need to be addressed.</li> </ul>
<b>Assessment of learning outcomes</b>	Written report (as continuation of the report from module 2.1 CBM with the focus on the realization of the presented business model through the supply chain)



<b>Didactic approach</b>	<ul style="list-style-type: none"><li>• Contact teaching incl. case discussions and exercises</li><li>• Individual and group exercises</li><li>• Learning videos</li><li>• (Scientific) literature</li><li>• Guest lecture</li></ul>
<b>Project-based learning</b>	Based on the previously developed circular business model (module 2.1), students draft a concept to implement/realize the CBM within the supply chain.
<b>Links to other modules</b>	<ul style="list-style-type: none"><li>• 2.1 Circular business models</li><li>• 2.4 Digitalization and sustainability</li><li>• 4.4 Impact assessment</li><li>• 4.5 Circular design</li></ul>
<b>Bibliography</b>	Literature will be provided before the start of the module.
<b>Language</b>	English
<b>Location</b>	Bern