Module code	STM503	**Level**	5
Module title	Change and Resource Management	**Credit value**	20
Common/Core/ Elective	Core	**ECTS Credits**	10
		Notional learning hours	200
Courses on which the module is taught	BA (Hons) Business and Sustainability	**Teaching Period**	Spring

1. Module description

All species need resources to sustain their existence, development and growth. As humans, we live in resource constrained societies, whether that's related to our use of natural resources, economic resources, social or cultural resources. As part of a multispecies ecosystem, we live within a constrained planetary resource. In this module, you'll learn about resource management through the lens of interdependence between humans and species. How can 'we' cooperate and build better together? How do we partner with the wider 'world' to build communities and business eco-systems for the future? You'll use concepts such as Natural Capital, Circular Economy, Doughnut Economy and Regenerative Mindsets to understand how to improve efficiencies, reduce costs, innovate and add competitive advantage, while creating sustainable value and positive social impact.

2. Learning outcomes

Upon successful completion of this module you will be able to:

Innovation (MLO 02)
Identify, analyse and develop on opportunities for value creation and sustainable innovation.

Communication (MLO 05)
Communicate effectively about sustainability both orally and in writing from an inclusive and interdependent/systemic/living systems mind-set

Digital Data and Tools (MLO 06)
Analyse and use digital tools and data responsibly in business and sustainability contexts

Discipline Skills (MLO 08)
Employ sustainability knowledge, frameworks and concepts and apply them to create case-studies.

3. Learning and teaching methods

This module is taught using seminars, workshops, group discussions and other learning activities such as simulation and role play. You will learn to apply frameworks, models and tools and think systemically about specific sustainability issues. Using case studies, you will develop analytical skills and gain insights on a range of pioneering sustainability initiatives and solutions.

Learning hours	
Directed learning	**48 hours**
Workshops/classes	48
Guided/Self-guided learning	**152 hours**
Total	**200**

4. Assessment, formative feedback and relative weightings

Assessment 1: Report
Weight (%): 50%
Word Counts or equivalent: 2500 words

Students will carry out a simulation, using digital tools to analyse a major resource-based issue with implications for business, from a regenerative/ living systems perspective.

Assessment 2: Presentation (Group Assessment)
Weight (%): 50%
Word count or equivalent: 15 mins

You will assess a company's sustainability report to evaluate their impact (ESG), then identify and argue how they can create more sustainable value and impact through change of strategies and/or innovation.

Each summative assessment will be preceded by an opportunity of formative assessment accompanied by formative feedback.

Mapping of assessment tasks for the module				
Assessment tasks	**MLO2**	**MLO5**	**MLO6**	**MLO8**
Report	X	X	X	X
Presentation	X	X		X

5. Indicative resources

Books:

Benyus, J. (1997) Biomimicry: Innovation Inspired by Nature. New York: Harper Perennial.
Blowfield, M. (2013) Business and Sustainability. Oxford University Press.
McDonough, W., and Braungart, M. (2010) Cradle to Cradle: Remaking the Way We Make Things. 5th Edition.Vintage
Raworth, K. (2017) Doughnut Economics: Seven Ways to Think like a 21st Century Economist. Random House Business.
Schröder, P., Anantharaman, M., Anggraeni, K., Foxon, T.J. (2019). The Circular Economy and the Global South. Taylor and Francis.

Reports:

Forum for the Future (n.d.) The Five Capitals - a framework for sustainability. https://www.forumforthefuture.org/the-five-capitals
Steffen, W. et al. (2015) *Planetary boundaries: Guiding human development on a changing planet.* https://doi.org/10.1126/science.1259855
United Nations (2020) *The Sustainable Development Goals Report.* https://unstats.un.org/sdgs/report/2020/The-Sustainable-Development-Goals-Report-2020.pdf

Warden, J. (2021). Regenerative Futures: From Sustaining to Thriving Together https://www.th_ersa.org/globalassets/pdfs/reports/from-sustaining-to-thriving-together-final.pdf

Articles:

Geradts, Thijs H. J.;Bocken, Nancy M. P. (2018). Driving Sustainability-Oriented Innovation. MIT Sloan Management Review. Winter2019, Vol. 60 Issue 2, p1-9. 9p. https://sloanreview.mit.edu/article/driving-sustainability-oriented-innovation/

Films/ Documentaries:

RSA talk: Regenerative futures by Dr Daniel Christian Wahl
https://www.youtube.com/watch?v=NwaI29aNsSk