



Faculty of Health, Science and Technology
Mechanical Engineering

Course Reading

Sustainable Product Development

Valid from 08/28/2023

Course Code: MSAD19
Course Title: Sustainable Product
Development
Credits: 15
Degree Level: Master's level

Project process and projectgroup

Books

Bergman, Bo and Klefsjö, Bengt (2010). *Quality from customer needs to customer satisfaction* (Third edition). Lund: Studentlitteratur or

Bergman, Bo. Klefsjö, Bengt (2020). *Kvalitet från behov till användning* (6 ed.). Lund: Studentlitteratur

Eriksson, Mikael and Lilliesköld, Joakim. *Handbooks for small projects* (2010 or later). Stockholm: Liber or

Eriksson, Mikael. Lilliesköld, Joakim (2005). *Handbok för mindre projekt*. Liber

Jansson, Tomas and Ljung Lennart (2017 or later). *Project leadership for individuals and teams*. Lund: Studentlitteratur AB or

Jansson, Tomas, Ljung, Lennart (2017). *Individer, grupper och ledarskap i projekt*. Lund: Studentlitteratur Andra upplagan

Johannesson Hans et al. (2013). *Produktutveckling - effektiva metoder för konstruktion och design*. Stockholm: Liber AB or

Ulrich, Karl T and Eppinger (2012 or later). *Product design and development* (Fifth edition or later). Boston: McGraw-Hill

Sustainable Development

Books

Baumann, Henrikke, Tillman, Anne-Marie (2004). *The hitch hiker's guide to LCA : an orientation in life cycle assessment methodology and application*. Lund: Studentlitteratur

Brunner, Paul H., Rechberger, Helmut. (2004). *Practical handbook of material flow analysis [Elektronisk resurs]*. Boca Raton: Lewis Publishers
<http://dx.doi.org/10.1201/9780203507209>,
<http://marc.crcnetbase.com/isbn/9780203507209> Free downloadable

Web resources

Venkatesh Govindarajan (2023). Bookboon. <https://bookboon.com/en/life-cycle-costing-ebook>. Free downloadable

Venkatesh Govindarajan (2017). Bookboon. <https://bookboon.com/en/abc-of-sustainable-development-ebook>. Free downloadable

Venkatesh Govindarajan (2022). Bookboon. <https://bookboon.com/en/social-life-cycle-analysis-an-introduction-ebook>. Free downloadable

Venkatesh Govindarajan (2017). Bookboon. <https://bookboon.com/en/environmental-life-cycle-analysis-a-primer-ebook>. Free downloadable

Systematic Matherial selection

Books

Ashby, M. F. *Materials selection in mechanical design* (Senaste upplagan). Oxford: Butterworth-Heinemann

Other

Dessutom tillkommer artiklar och kursmaterial som distriбуeras under kursens gång.

Kurslitteratur i modul Hållbarhet kommer att finnas tillgängligt som e-böcker eller som utdrag ur böcker.

In addition, there are articles and course materials that are distributed during the course.

Approved by the Faculty Board of Health, Science and Technology 05/30/2023