



Faculty of Health, Science and Technology  
Mechanical Engineering

# Course Reading

## Sustainable Product Development

Valid from 09/01/2025

**Course Code:** MSAD23  
**Course Title:** Sustainable Product  
Development  
**Credits:** 15  
**Degree Level:** Master's level

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### 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.

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Approved by the Faculty Board of Health, Science and Technology 02/13/2025