



Instructions: Prerequisite for solving the tasks

Textbook: *Ashby, M. F., Materials Selection in Mechanical Design* (4th or 5th edition recommended).

4th edition is available in the Aalto Library as an e-book. You can visit [Aalto-Primo \(primo.aalto.fi\)](https://primo.aalto.fi) webpage, log in, and search for this material, it may direct you to this page [Materials selection in mechanical design \(4th Edition\)](#).

Software: Solving the tasks requires the use of the **GRANTA software**, which is available in the computer classrooms U344 (Win) in Otakaari 1. You are highly recommended to install the program to your own (windows system) PC for a robust performance. You can download **GRANTA EduPack** program from Aalto software download service [Download.aalto.fi](https://download.aalto.fi) (**Aalto user credentials log in is needed – YOU NEED TO LOGIN TO AALTO VPN FIRST**). If you only have a macOS or Linux operated system by your side, alternatively, you can get access remotely to the Windows classroom computers from your own device, using the VDI system, e.g. mfavdi.aalto.fi, or VMware Horizon Client vdi.aalto.fi (Aalto user credentials log in is required). Check [Remote access to Windows classroom computers](#) for more information.

Assessment for flipped classroom: For each task, you will need to go through the chapter contents according to each task separately, learn and find out the answers on your own first. And then write a short report based on the questions and exercises. Include—in a separate and clearly marked section at the front of your report, and additionally posted on MyCourses to the general discussion forum—any difficulties you encountered, comments, or questions you have about these chapters in the textbook. **Upload your report to the MyCourses “workshop” session before the submission deadline.** Once the submission ends, you will be randomly given 3 other reports from your classmates for assessment. Up to 10 points can be earned from this assignment if you submit the report promptly and participate actively in the assessment:

- 2 points for participating in the flipped classroom sessions every Friday, explain your work to your classmates, give and receive feedback,
- up to 2 points for providing accurate and assessment and valuable feedback of your classmates' reports in MyCourses before the assessment deadline every Monday.