

ME-231(b)

**Structural mechanics for SV**

Fantner Georg

Cursus	Sem.	Type
Bioengineering	MA3	Opt.
Life Sciences Engineering	BA5, MA1, MA3	Opt.

Language of teaching	English
Credits	4
Session	Winter
Semester	Fall
Exam	Written
Workload	120h
Weeks	14
<b>Hours</b>	<b>4 weekly</b>
Courses	3 weekly
Exercises	1 weekly
<b>Number of positions</b>	

**Summary**

This course aims to provide a concise understanding of how materials and structures react to loads. It covers the basics of stress and strain in multi dimensions, deformation and failure criteria. The course is tailored to problems students from life science might encounter.

**Content**

For the details, please refer to lecture ME-231 (a)

**Assessment methods**

written exam

**Resources****Ressources en bibliothèque**

- [Introduction to Engineering Mechanics / Rossmann](#)