

Fluid Dynamics

Chapter 0

Course Information

Ulrich H. Becker

Frankfurt University of Applied Sciences

Summer Term 2024

Course Information

► Lectures

- ▷ Monday, 2nd block, 10⁰⁰-11³⁰, BCN 431
- ▷ Wednesday, 3rd block, 11⁴⁵-13¹⁵, BCN 431

► Exercises

- ▷ Monday, 1stBlock, 8¹⁵-9⁴⁵, BCN 431
- ▷ Wednesday, 2nd block, 11⁴⁵-13¹⁵, BCN 431

Course Information

► campUAS course:

▷ Becker: Fluid Dynamics - SoSe 24

<https://campuas.frankfurt-university.de/course/view.php?id=3516>

▷ Password: fLd.24

▷ There you'll find

- ◆ Handouts

- ◆ Exercises

- ◆ Videos and Whiteboards from past terms

- ◆ Announcements

- ◇ ... will **only** be sent via this **campUAS** course!

Course Information

- ▶ **Literature:**

The references for this course are the lecture slides and the exercises.

- ▶ But ... our library holds a fair number of books on the subject. Admittedly, not all are an easy read. And most of them are in German. And for some it may be difficult to relate to the material in our lecture.
- ▶ Personally I like:
- ▶ **Ohne Panik Strömungsmechanik!** : ein Lernbuch zur Prüfungsvorbereitung, zum Auffrischen und Nachschlagen, Strybny, Jann ; Wiesbaden : Vieweg + Teubner, 2012 (Auflage nicht so wichtig, auch als elektronische Version verfügbar)
- ▶ pdf-Version in our Library:
<https://hds.hebis.de/fuas/Record/HEB284138495>
 - ▷ There is a link "zum Volltext". This only works from within our university network. From outside you need to connect via VPN.

Course Information

► **Literature** (continued)

in English, but highly readable ... and much more than we will cover in this course:

► **Engineering fluid mechanics**

by Donald F. Elger, Barbara C. Williams, Clayton T. Crowe, John A. Roberson

SI version, tenth edition

Singapore : Wiley, [2014]

Literature

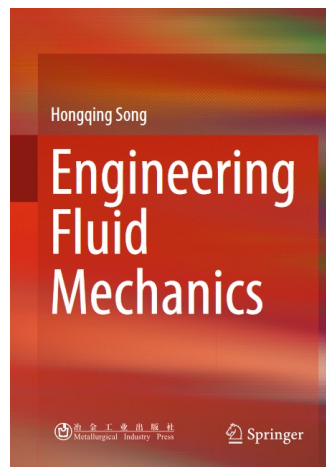
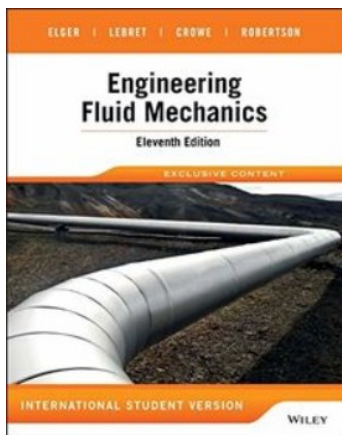
► Literature (continued)

English

- Elger, Lebret, Crowe, Robertson - Engineering Fluid Mechanics
- Hongqing Song – Engineering Fluid Mechanics (UAS library ebook)

German

- Hendrik Kuhlmann – Strömungsmechanik (UAS library book)
- Spurk, Aksel – Strömungslehre (UAS library ebook)
- Leopold Böswirth, Sabine Bschorer – Technische Strömungslehre (UAS library ebook)



Course Information

► Contact

▷ Email: uhbecker@fb2.fra-uas.de

▷ consultation hour:

- ◆ Wednesday, 13³⁰ – 14³⁰ Uhr, BCN 622

- ◇ For coordination purposes, please contact me first via eMail.

- ◆ flexible online time slots

Course Information

► **Exam:**

▷ Aids permitted:

- ◆ 4 pages (2 sheets) DIN A4 handwritten formulae
- ◆ 1 pocket calculator