

*The theoretical parts of this course are mainly based on:*

## **Theoretical Microfluidics**

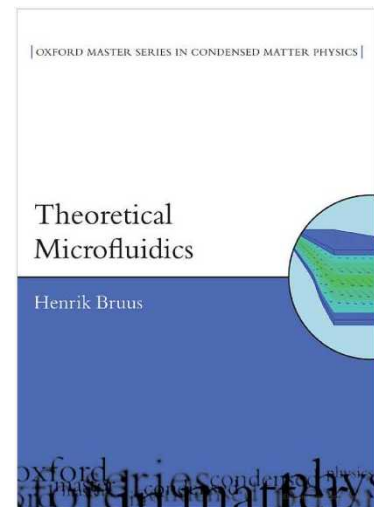
**Henrik Bruus**

Oxford University Press, 2008 (Reprint 2010)  
(ISBN 978-0-19-923509-4)

Equation/figure numbering in PART I of these lecture notes refers to the indicated edition of the book.

Numbering in PART II refers to an earlier edition !

All other references are indicated in the text.



*"Microfluidics" -- Thomas Lehnert -- EPFL (Lausanne)*

### **Further reading:**

J. Kirby, ***Micro- and nanoscale fluid mechanics: Transport in microfluidic devices***  
Cambridge University Press 2010, ISBN: 978-0-521-11903-0

NT. Nguyen and S.T. Wereley, ***Fundamentals and applications of microfluidics***  
Boston, Mass.: Artech House, 2006, ISBN: 1-58053-972-6

P. Tabeling, ***Introduction to microfluidics***  
Oxford University Press 2005, ISBN: 0-19-856864-9

T.M. Squires and S.R. Quake, ***Microfluidics: Fluid physics at the nanoliter scale***  
Reviews of Modern Physics, Vol. 77, pp. 977-1026 (2005)

*"Microfluidics" -- Thomas Lehnert -- EPFL (Lausanne)*