

**1) Lecture Notes in Heat Transfer**

*Autor:*

Prof. Dr.-Ing. R. Weber, IEVB, TU Clausthal

Erstmalig erschienen: 2004

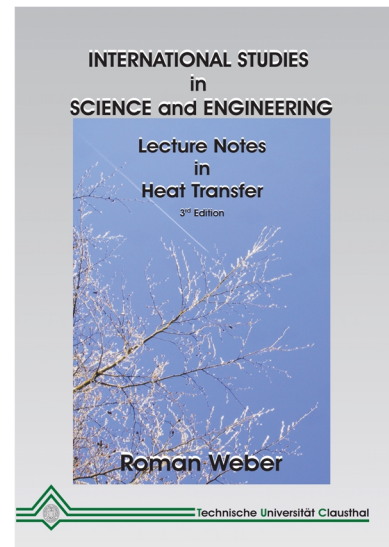
Aktuelle Auflage: 3. Auflage März 2008

ISBN: 978-3-89720-702-8

224 Seiten, Preis: ca. € 20,00<sup>(\*)</sup>

Kurzbeschreibung:

- zur Vorlesung Heat Transfer I
- aus dem **Inhalt:**
  - Introduction to Heat Transfer;
  - Introduction to Heat Conduction;
  - One-Dimensional Conduction;
  - Numerical Methods in Heat Conduction;
  - Introduction to Convection;
  - Principles of Heat Exchanger Design;
  - Introduction to Radiative Heat Transfer;
- zahlreiche Beispielrechnungen
- in englischer Sprache



*Aus dem Vorwort:*

To the Student - How to get the most from these lecture notes

These lecture notes in Heat Transfer have been prepared for undergraduate students attending a fifteen-week course (one semester) with 1.5 hour of lecture and 45 minutes of classes per week at the Clausthal University of Technology. If you are like most students just opening this textbook, you are enrolled on one of the few courses in science and engineering at TU Clausthal that are delivered in English. Probably English is not your native language but do not worry. This textbook has been written with you in mind in very simple and plain English. Below I provide you with few suggestions how “Lecture Notes in Heat Transfer” can help you to succeed in this course. If you wish to enhance your understanding of heat transfer beyond the scope of this textbook I recommend the excellent book of F.P. Incropera and D.P. DeWitt “Fundamentals of Heat and Mass Transfer”, John Wiley & Sons, Inc., New York, 1996.

Read before a lecture. You will get the most out of your heat transfer course if you read each lecture before hearing it. In this way, many of the topics will already be clear in your mind and you will understand the lecture better.

Study Examples and Problems. Each lecture contains several Examples. Study them carefully since they illustrate the subject of each particular lecture. In addition to Examples, Problems are formulated for each lecture and they will be distributed in the classroom. Some Problems will be discussed and solved in the classroom but the principal idea behind Problems is that they are your homework. I suggest you solve them, one by one, and in case of difficulties consult your class instructor. [...]

---

<sup>(\*)</sup> Den genauen Preis erfragen Sie bitte beim Papierflieger Verlag, Telemannstr. 1, D-38678 Clausthal-Zellerfeld, Tel. +49-5323-96746, Fax. +49-5323-982831, <http://www.papierflieger-verlag.de> oder ggf. im Buchhandel.