Algebra 2010
Aalborg University

Note the following errata in the book: [Lau] Niels Lauritzen, "Concrete abstract algebra", Cambridge University Press, 2003. ISBN: 978-0-521-53410-9.

- Page 5, line 9: For "$n = q_2 d+$" read "$x = q_2 d+$"
- Page 15, line 7: For "row 1" read "row 2"
- Page 59, line -7: For "$\varphi_1, \varphi_2 \in K$" read "$\varphi_1, \varphi_2 \in G$"
- Page 66, line -6: For "$a \equiv a' \pmod{d}$" read "$a \equiv a' \pmod{n}$"
- Page 72, line -2: For "If $m < 0$ and $n < 0$" read "If $n < 0$"
- Page 75, line -4: For "$\{[km] \mid 0 \leq k < N, \gcd(k, N) = 1\}$" read "$\{[km] \mid 0 \leq k < d, \gcd(k, d) = 1\}$"
- Page 77, line -1: For "For $\varphi(x + N\mathbb{Z})$" read "For $\tilde{\varphi}(x + N\mathbb{Z})$"
- Page 107, line 13: For "$\mathbb{Z}/3 \times \mathbb{Z}/5\mathbb{Z}$" read "$\mathbb{Z}/3\mathbb{Z} \times \mathbb{Z}/5\mathbb{Z}$"
- Page 107, line 15: For "$\mathbb{Z}/2 \times \mathbb{Z}/4\mathbb{Z}$" read "$\mathbb{Z}/2\mathbb{Z} \times \mathbb{Z}/4\mathbb{Z}$"
- Page 225, definition A.2.5: The following condition is missing in the definition of partition: $S_i \neq \emptyset$, for all $i \in I$.

(line -x means line x counting from the bottom of the page)