

Chapters in GT: Goodrich. Tamassia. *Algorithm Design. Foundations, Analysis, and Internet Examples*, Wiley 2002.

By X.0 we refer to the introductory part of section X, directly preceding X.1.

- GT 1.0–1.5 pp. 4–41
(without p. 12, p. 18)
- GT 2.0–2.5 pp. 56–124
- GT 3.0–3.2 pp. 140–158
- GT 4.0–4.1 pp. 218–224
- GT 4.3 pp. 235–238
- GT 4.5–4.6 pp. 241–244
- GT 6.0–6.4 pp. 288–316
- GT 7.0–7.1.1 pp. 340–348
- GT 7.3 pp. 360–372
- GT 9.3 pp. 440–442
- GT 11.0–11.2 pp. 512–529
- Implementations in GT 2.6, 3.6 (AVL only), 6.5, 7.4.
You should understand, but not memorize, these examples.

Other material

- Cormen. Leiserson. Rivest. Stein. *Introduction to Algorithms*. 2nd edition. pp. 408–409
- Stuart Russell and Peter Norvig. *Artificial Intelligence. A Modern Approach*. 2nd edition. pp. 94–101
- Lecture notes and slides published on the course website.
- All exercises solved in class, all homeworks, all mid-term exam problems, all sample exam problems, all quizzes, and brainstorm challenges.

At the exam all written and printed aids are allowed, including among others the literature listed above. Electronic calculators, electronic dictionaries, mobile phones and computers are not needed and not allowed during the exam.

Bring your own set of materials (including the textbook). It is impossible to share it with someone else.

All exam questions will be formulated in English, but you can reply either in Danish or English. The choice of language does not influence your grade.

We estimate that you will receive your grade in the first week of July.

Report any errors in this syllabus to wasowski@itu.dk, before May 29.