The following sections in the Chaos compendium are optional

Chapter 4

Section 4.6 Appendix, 4.7.2

Chapter 5

Section 5.3: You do not have to be able to reproduce the formal definition of an attractor, but you should be able to describe what an attractor is in words, see e.g. caption to Fig. 5.6.

Section 5.5.3: The paragraph starting 3 lines from bottom on p. 177, 'Individual fireflies ...' till the end of the section (p. 181).

Section 5.5.5 Section 5.5.6

The quasiperiodic route in sect. 5.6

Chapter 6

Section 6.3: The paragraph starting 4 lines from bottom on p. 204, 'So how does chaos arise ...' till the end of the section (p.208).

Section 6.6.2: The derivation of Chirikov's standard map at the end of the section.