

Textbook Sections Covered . (subject to changes)
(for final exam preparation) .

Ch.1: 1-4, 5, 7.

Ch.2: 2-1, 2, 3, 4, 5, 6, 7, 9.

↖ Graphical analysis only
No integrations is required .

Note: 2-8 is not required .

Ch.3: 3-1, 2, 3, 4, 5, 6, 7, 8, 9.

(The entire chapter is required.)

Ch.4: 4-1, 2, 3, 4, 5, 6, 7, 8.

(Also the whole chapter is required.)

Ch.5: 5-1, 2, 3, 4, ~~5~~.

↖ No integrations . . OK to skip e.g. 5-17.

Note: 5-5 is not required .

Ch.6: 6-1, 2, 3, 4.

Note: 6-5, 6, 7, 8 are not required.

ch.7: 7-1, 2, 3, 4.

↖ No integration is required
Graphical analysis is sufficient.

ch.8: 8-1, 2, 3, 4, 5, 6, 7, 8.

↖ No integration is required.

Take eg. (8-16) as given

Note: 8-9 is not required.

ch.9: 9-1, 2, 3, 4, 5, 6, 7, 8

↖ integration means area under curve

Note, 9-9, 10 are not required.

ch.10: 10-1, 3, 4, 5, 6, 8, 9.

Note ①: We do not use a vector to describe an angular quantity.

Instead, we use the following
sign convention: CCW — (+)
CW — (-)

Note ②: 10-2, 7, 10 are not required.

(3)

ch. 11: 11-1, 3*, 5, 6, + lecture notes # 21, 22.
 ↳ concept only. NOT the vector product.

Note ①: We took a simpler approach on the topics in ch. 11, to avoid vector calculations.
 please see lecture notes # 21 and # 22

Note ②: 11-2, ~~3~~, 7, 8, 9, are not required.

ch. 12: 12-1, 2, + lecture note # 23.

Note: 12-3, 4, 5, 6, 7, are not required.

ch. 13: 13-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

Note: 12-13, 14 are not required.

ch. 14: 14-1, 2, 3, 4, 5

Note: 14-6, 7, 8 are not required.

ch. 15: 15-1, 2, 3, 4, 6, 9.

Note: 15-5, 7, 8, 10, 11 are not required.

ch. 16: 16-1, 3, 7

Note: 16-2, 4, 5, 6, 8, 9 are not required.

ch. 17: NOT required.