

PHYS 1901: Waves and Chaos

Slade lecture theatre (LT 8)

Tues, Weds, Thurs - all 2pm

Professor Marcela Bilek

Room 407

Email: mmmb@physics.usyd.edu.au

Material for Waves Component

Text: *University Physics (with Modern Physics)*
By Young and Freedman (10th Edition)

10 lectures

- Chapter 13
- Chapter 19
- Chapter 20
- Chapter 21

How to get the most out of this course

- Read the text to be covered prior to the lecture
- Take notes and annotate handouts during the lecture and stay awake!
- Don't hesitate to ask questions
- DO all of the problems given out in tutorials, lectures and assignments – these are training for the exam
- Do all of the above and you will enjoy the course and do well in the exam

Recommended Reading

- Lecture 1 – Y&F Chapt 13: pp 392-400 (13.1 – 13.3)
- Lecture 2 – Y&F Chapt 13: pp 407-410 (13.6 – 13.7)
- Lecture 3 – Y&F Chapt 13: pp 400-407 (13.4 – 13.5)
- Lecture 4 – Y&F Chapt 13: pp 411-415 (13.8 – 13.9)
- Lecture 5 – Y&F Chapt 19: pp 593-602 (19.1 – 19.4)
- Lecture 6 – Y&F Chapt 19: pp 602-613 (19.5 – 19.8)
- Lecture 7 – Y&F Chapt 20: pp 620-630 (20.1 – 20.4)
- Lecture 8 – Y&F Chapt 20: pp 631-639 (20.5 – 20.6)
- Lecture 9 – Y&F Chapt 21: pp 646-654 (21.1 – 21.3)
- Lecture 10 – Y&F Chapt 21: pp 654-663 (21.4 – 21.6)