

# PHY132 Spring 2020 – Anticipated Textbook Topics for the Course

## INFORMATION YOU MUST KNOW (as of 1-22-20)

*What textbook material am I responsible for knowing and understanding?*

- Ch. 21, **Electrostatics**: Sections 21.1 – 21.10 inclusive
- Ch. 22, **Gauss' Law**: Sections 22.1 – 22.3 inclusive
- Ch. 23, **Electric Potential**: Sections 23.1 – 23.5, 23.8 inclusive
- Ch. 24, **Capacitance**: Sections 24.1 – 24.5 inclusive
- Ch. 25, **Electric Current & Ohm's Law**: Sections 25.1 – 24.6 inclusive
- Ch. 26, **DC Circuits**: Sections 26.1 – 26.4, 26.6, 26.7 inclusive
- Ch. 26, **RC Circuits**: Section 26.5; RC Circuits
- Ch. 27, **Magnetism**: Sections 27.1 – 27.4, 27.7, 27.9 inclusive
- Ch. 28, **Sources of Magnetism**: Sections 28.1 – 28.6 inclusive
- Ch. 29, **Magnetic Induction**: Sections 29.1 – 29.4, 29.6, 29.7 inclusive
- Ch. 30, **AC Circuits**: Sections TBA
- Ch. 31, **EM Waves/Light**: Sections 31.1 – 31.3, 31.6 – 31.8, 31.10 inclusive
- Ch. 32, **Reflection, Mirrors & Ray Tracing**: Sections 32.1 – 32.3 inclusive
- Ch. 32, **Refraction, Lenses & Ray Tracing**: Sections 32.4 – 32.7 inclusive
- Ch. 33, **Ray Tracing & Optical Devices**: Sections 33.1 – 33.3, 33.6 inclusive.
- Ch. 34, **Wave Theory of Light**: Sections 34.1 – 34.3 inclusive