

Useful References

(some of these are already at the ends of the sections, but here's a complete list)

Mathematical Methods:

Swartz, Used Math

Bamberg & Sternberg, A Course in Mathematics for Students of Physics, Vol. I

Boas, Mathematical Methods in the Physical Sciences

Arfken, Mathematical Methods for Physicists

Integral Tables:

Gradshteyn and Ryzhik

CRC Handbook

Differential Equations:

Guterman & Nitecki, Differential Equations

Simmons, Differential Equations with Applications & Historical Notes

Electricity, Magnetism, and Optics:

Purcell, Electricity and Magnetism

Griffiths, Introduction to Electrodynamics

Pedrotti & Pedrotti, Introduction to Optics

Quantum Mechanics:

Eisberg & Resnick, Quantum Physics

Liboff, Introductory Quantum Mechanics

Statistical Mechanics:

Reif, Fundamentals of Statistical and Thermal Physics

Kittel & Kroemer, Statistical Physics

Classical Mechanics:

Marion

Particle Physics:

Griffiths, Introduction to Elementary Particles

Perkins, Introduction to High-Energy Physics

Solid State:

Kittel, Solid State Physics

Some of these are used in Haverford and Bryn Mawr courses, and some we draw your attention to because they are not. They're too useful to be overlooked (some we think are better than the assigned texts).