

Physics 3330 – Reading List

These books are for supplemental reading. Consult them for more information about the topics covered in the course, and when planning your final project.

ELECTRONICS

Principles of Electronic Instrumentation – A.J. Diefenderfer and B.E. Holton

The Art of Electronics, 2nd Ed. – Horowitz and Hill

Electronics: Circuits, Amplifiers, and Gates – D.V. Bugg

Basic Electronics for Scientists – J. J. Brophy

The Art and Science of Analog Circuit Design – edited by Jim Williams

Analog Circuit Design: Art, Science, and Personalities – edited by Jim Williams

The TTL Cookbook – Don E. Lancaster

The CMOS Cookbook – Don E. Lancaster

IC Op-Amp Cookbook – Walter G. Jung

EXPERIMENTAL METHODS

Building Scientific Apparatus – Moore, Davis & Coplan, 2nd ed

Procedures in Experimental Physics – J. Strong

Experiments in Modern Physics – A.C. Melissinos

Vacuum Technology – A. Roth, 2nd revised ed