

## 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. They are on reserve in the Math-Physics library.

### ELECTRONICS

*The Art of Electronics, 2<sup>nd</sup> Ed.* – Horowitz and Hill

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

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

*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