Staff
Lecturer: Prof. David J. Perreault
Room 10-039
X8-6038
djperrea@mit.edu

TA: Mr. Yehui Han
Room 10-017
X3-5958
yehuihan@mit.edu

Admin: Ms. Vivian Mizuno
Room 10-097
X3-4883
mizuno@mit.edu

Subject Text
The required text for this subject is Principles of Power Electronics by J.G. Kassakian, M.F. Schlecht, and G.C. Verghese, Addison-Wesley, 1991. It is available at Quantum Books and the COOP.

Homework
Problem sets will be issued on a weekly basis, and will be due one week after issue unless otherwise specified. Late problem sets will not be accepted unless previously arranged with the TA. Good problems for 6.334 are very difficult to create, so you will sometimes be assigned a problem used in previous years. Under no circumstances are you to use 6.334 “bibles” to help you with problem sets. You may, however, consult with colleagues who are taking 6.334, or who have taken 6.334 in the past. For those of you without access to such colleagues, many graduate students in LEES, 10-050, have taken 6.334 and are willing to help answer questions if you can’t arrange to see Yehui or Prof. Perreault. Students you may consult include Tony Sagneri, Robert Pilawa, and Brandon Pierquet.

Quizzes
There will be 2 quizzes in 6.334 this term. The tentative dates for these are Wednesday, March 21\textsuperscript{st} and Wednesday, May 9\textsuperscript{th}. The exams will be closed book and will be given during the evening, starting at 7:30 pm. There is no final exam.
Grading
Grading will be based on three components: homework (40 %), the two quizzes (25 % each) and a design project (10 %). The project will be issued in early April and tentatively due on Wednesday, May 16th. As with the homework, consultation with colleagues is permissible, but you must hand in a unique, independently-completed solution.

Additional References
Most information you will need is in the course text or will be provided in handouts or references, so purchase of another book is not necessary. Some other books that might prove helpful on occasion are:


World Wide Web
Course handouts and other information will be made available on the 6.334 Web Page, which may be accessed at: [http://web.mit.edu/course/6/6.334](http://web.mit.edu/course/6/6.334). You may also find some of the information about 6.334 on MIT’s OpenCourseWare web site to be useful. (see [http://ocw.mit.edu/](http://ocw.mit.edu/)).

Field Trip
As part of the class, we will arrange a field trip to the power electronics design and manufacturing facility of Synqor in Boxborough, MA ([www.synqor.com](http://www.synqor.com)). Synqor is a technology leader in dc/dc converters for telecommunications applications.