

## Project 1

### Introduction (20)

required elements:

application goals 5/  
educational goals 3/  
2 topics 2/

understanding: 5/  
presentation: 5/  
comments:

### Design(40)

required elements:

design bkgrnd 4/  
component info 2/  
sg cir dia 3/  
acc cir dia 3/  
how to build 3/  
testing plan(S) 5/

understanding: 10/  
presentation: 10/  
comments:

### Analysis(30)

required elements:

Pspice simulation 3/  
hand calculations 2/  
ruler calibration 4/  
coil and sg plot 3/  
analysis 3/

understanding: 8/  
presentation: 7/  
comments:

### Implementation(30)

required elements:

problems 3/  
solutions 3/  
advice 3/  
two lessons 3/  
raw data (S) 3/

understanding: 8/  
presentation: 7/  
comments:

### Final Design and Testing(40)

required elements:

design changes 3/  
lissajous sg/coil 3/  
acc-sg plot 3/  
acc-coil plot 3/  
final sg 3/  
final coil 3/  
amplitude 1/  
phase 1/

understanding: 10/  
presentation: 10/  
comments:

### Discussion (20)

required elements:

results 2/  
sources of error 3/  
use of cb acc 2/  
use in car 1/  
not displayed 1/  
use of acc 1/

understanding: 5/  
presentation: 5/  
comments:

### Personal Responsibilities(10)

required elements: 3/

signature: 2/  
presentation: 5/  
comments:

### Appendix(10)

references: 2/  
other: 3/  
presentation: 5/  
comments:

### Creativity

comments: