Projects for ECE 305 Honor Students

1. Antennas: Reflector antennas
2. Antennas: Microstrip antennas
3. Antennas: Log-periodic antennas
4. Over-the-horizon radar
5. Remote sensing (satellites)
6. VLSI-packaging issues
7. Fiber optics
8. Electromagnetic Interference
9. Microwave circuits
10. MRI
11. Non-destructive evaluation

Project Policies

The report should be written in clear idiomatic English, and should contain the following:

1. Title author
2. Abstract
3. Introduction (detailed literature review)
4. Main body that describes (i) mathematical formulation (you should tell the class how this relates to what you have learnt), (ii) application and realization of the technology, (iii) possibly some pictures describing the technology.
5. Conclusions and any other observation that you may have.
6. A list of references.

7. Please note that you should not plagiarize. You should not copy phrases and sentences from books or articles. You may, however, refer the reader to these articles.