GUIDELINES FOR EN9816 (Antenna Theory) TERM PROJECT, Winter 2016

The topic, chosen in consultation with the instructor, will deal with the theory and design of a particular antenna (other than thin linear wire antennas). The following are required elements of the 20% project and the written portions are due on March 28, 2016 unless otherwise indicated:

(1) Review of recent literature (research).

(2) Review of technology (applications).

(3) Some aspect of the related theory.

(4) Worked design example based on (3). Computer simulation is highly desirable and should be used when possible.

(5) An unworked example based on (3) with solution supplied to instructor.

(6) Class presentation prepared, submitted separately, and delivered to class along with the "assignment question" in (5).

(7) Summary.

(8) Reference list.

Care must be taken **NOT TO COPY information verbatim** from the many sources available (eg. journals, magazines, websites, etc.). Sometimes it may be useful to use diagrams etc. as they appear in the references, but make sure proper credit is given in such cases. The student must put his/her own "flavor" on this project. While not listed above, **a student desiring to fabricate and test an antenna based on (4) is encouraged to do so**.

T**he general topics are found in the last unit of the course outline and other appropriate topics chosen in consultation with the instructor may be considered.**