

**EE/CpE 415/423 – 416/424
2001 Fall – 2002 Spring
WEEKLY STATUS REPORT**

Group No. : 9

Date: 02/03/03

Report No. : 15

Project Title: Missile Course Deviation

Group Leader: Zhanna Lasun

Advisor: Professor Sumit Ghosh

Sponsor/Client: _____

Number of Hours Spent on Project by Group in Past Week: 15

Project on Schedule: Yes

As a group we re-evaluated the schedule of our project. Originally we were planning on performing testing in Brazil over the winter break. But because of personal reasons the plan had to change. Since EMP testing would not be welcomed in our area, we decided that we were not going to do it. To replace such testing, we decided to test the affects of microwaves on a quartz clock (the heart of the GPS device). The goal of this being to prove that GPS guidance of the missile is vulnerable, we will prove by testing and by the mathematical calculations. To portray the system's behavior mathematically we will write a program using MATLAB and create a 3D animation. Thus, slightly changing the goals of our project we were able to create a new schedule and we are back on track. Another thing that we have in mind is to develop a schematic of a response missile carrying the EMP generator. This would require us to go over existing designs of the missiles that we have studied so far and figuring out how our weapon would fit into the system.