

**4050- 582/782 Lab 2 – Sensor Network Basics****Preparation Questions****Instructions**

In order for you, the student, to properly prepare for following laboratory exercises a series of questions has been devised to familiarize and acquaint you with the operating environment.

- 1. What is a mote and what purpose does it serve? Give two model number examples and describe their differences.**
- 2. What is a sensor board and what purpose does it serve. Give two model number examples and describe their differences.**
- 3. What device utilized within the sensor network topology is commonly referred to as a gateway? Give two model examples and explain their differences. What dual purpose do the gateways serve?**
- 4. List the names and model numbers of the equipment you will be utilizing through this course. (mote, sensor board, gateway)**
- 5. In the activity Sensor and Data Acquisition Boards contained within the subsequent lab you will be asked to create a sensor network. Draw a hypothetical topology picture of this activity. Be as specific as possible including names and model numbers, labeling connections etc.**