Lecture 1: September 9, 2016

Lecturer: Nagham Mohammad   *Notes By: Harsh Mistry*

1.1 Administrative Information

Lecturer : **Nagham Mohammad**
Office : **M3 3112**
Office Hours : **3:30pm - 5:30pm Monday**
Email : **n37mohammad@uwaterloo.ca**

1.2 Introduction to Probability

Thought Questions

- If you flip a fair coin and do it once, what is the probability that it will land heads up?

    - 50

- What is the probability that you will eventually own a home?

    - Unknown

1.2.1 What does probability mean?

- The term **probability** refers to the study of randomness (variability of results).

- Probability is used to quantify the likelihood, or chance, that an outcome of random experiment will occur.

- By variability, we mean successive observations of a system or phenomenon do **not** produce exactly the same result.

In addition to what is above, nothing else was discussed in class. Majority of the time was used to go over administrative information.