Objective

The objective is to introduce the lab and equipments to the students. Going over the lab rules, how to use the lab and equipments, etc. Also, a simple demonstration will be provided to the students to provide the capabilities of the equipments.

1) The safety requirements during the usage of the lab.
   a) Supervision of TA is required while using equipment
   b) Equipments limitations and safety.
   c) Personal Safety.
   d) Emergency situations.

2) The Lab Report:
   a) How to use the report template for the lab.
   b) The approval procedure for the lab report.
   c) Examples of previous reports.
   d) Reports grading system.

3) Making accurate measurements. Parameters that effect the correctness of the measurements:
   a) Noise floor, neighboring channels, center frequency, frequency offset, range and expected power, etc.
   b) Use of proper equipment: Antenna, cables, connectors, etc.
   c) The environment impact

4) Example about previous projects done by students.

5) Useful tips about the course.

6) DEMOS.

7) An optional introduction to MATLAB® to be helpful in digital signal processing and simulations: Matrix & vector operations, essential commands and basic functions.