Introduction to the Arduino platform
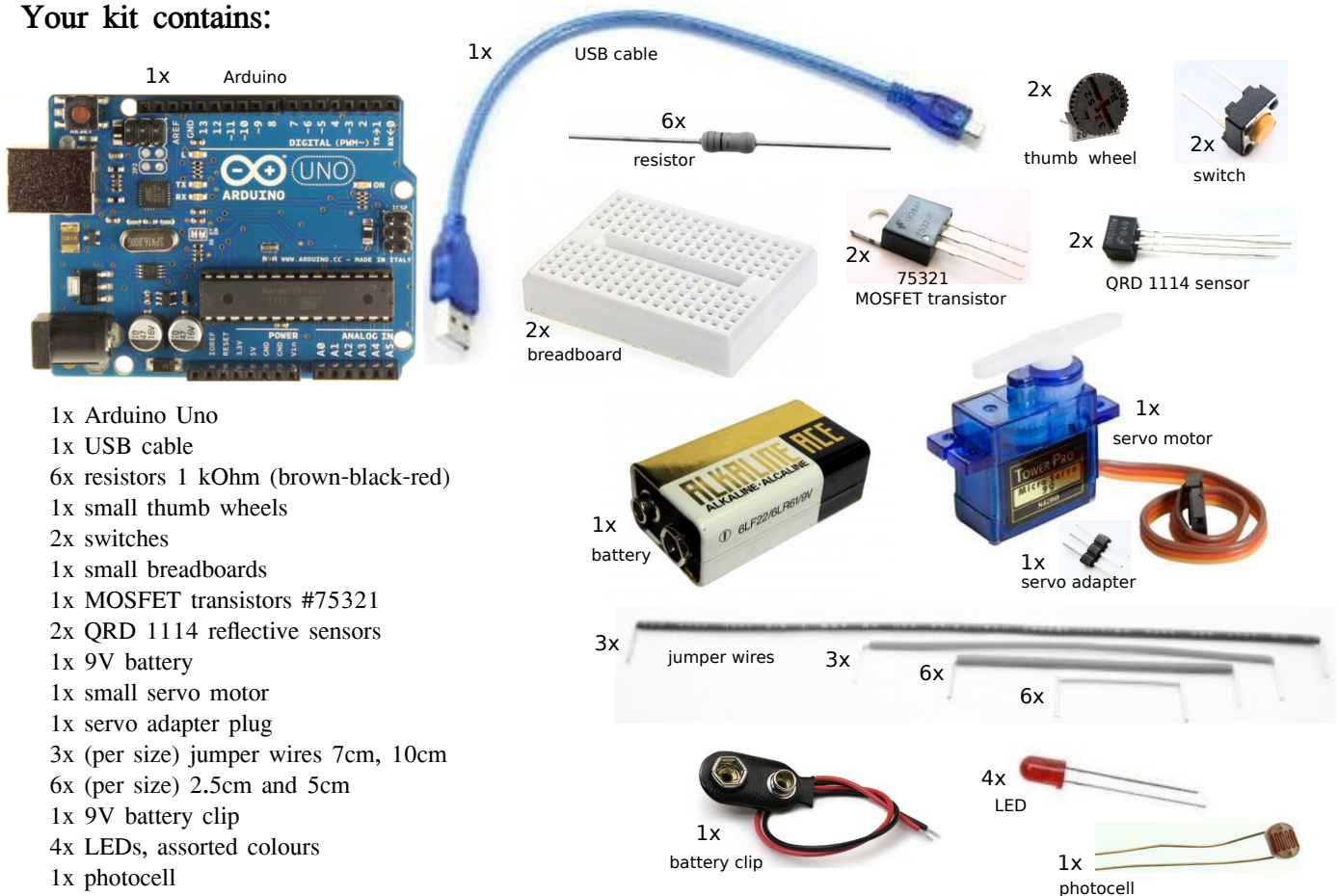
APSC 150   Two Hour Hands-On Lab

Your kit contains:

1x   Arduino

1x   USB cable

6x   resistor

2x   thumb wheel

2x   switch

2x   75321 MOSFET transistor

2x   QRD 1114 sensor

2x   breadboard

1x   battery

1x   servo motor

1x   servo adapter

3x   jumper wires   3x   6x   6x

1x   battery clip

4x   LED

1x   photocell

1x Arduino Uno
1x USB cable
6x resistors 1 kOhm (brown-black-red)
1x small thumb wheels
2x switches
1x small breadboards
1x MOSFET transistors #75321
2x QRD 1114 reflective sensors
1x 9V battery
1x small servo motor
1x servo adapter plug
3x (per size) jumper wires 7cm, 10cm
6x (per size) 2.5cm and 5cm
1x 9V battery clip
4x LEDs, assorted colours
1x photocell

What to do in the next two hours:

- Go to   http://projectlab.engphys.ubc.ca/apsc150-2013/   and follow instructions.

- Work in pairs (recommended)

Five minutes before the end:

- Show your finished setup to an instructor.

- Then, take everything apart. Use blue tape (provided at the front of the lab) to cover 9V battery contacts.

- Sort items and make sure only parts as shown on the above list are in your kit box. Items not on the list have to be returned to the "Extras" bins located at the front of the lab.