Principles of Physics II – PHYS 2212K Lab Kit

- General Kit Instructions Booklet - 1

LABWARE
- Alligator Clips (2 black and 2 red) - 4
- AA Batteries - 4
- AA Battery Holder - 1
- Digital Multimeter - 1
- Gloves - 1 pair
- Play-Doh® - 1
- Ruler - 1
- Scissors - 1
- Vernier Caliper - 1

MODULES

Coulomb’s Law
1. Styrofoam Packing Peanuts (puffs) - 2
2. Needle - 1
3. Thread - 1
4. Chopsticks - 1 pair
5. Kabob Sticks (Bamboo Skewer) - 2
6. Graph Paper - 1 Sheet

Static Electricity and Electric Fields
- Salt Packet - 4
- Pepper Packet - 4
- Drinking Straw - 1
- Plastic Plate - 1
- Scotch tape - 1
- Balloon - 1

Capacitors
- Aluminum Foil - 4 (12 in) each
- Snap Circuits Connecting Wires (1 black and 1 red) - 2
- Snap Circuits - 1

Circuits
- Masking Tape - 1
- Permanent Marker - 1
• Aluminum Foil - 4 (12 in) each
• 1kΩ Snap Circuits Resistor - 1

Factors Affecting Electrical Resistance
• Aluminum Foil - 12 in

Magnetic Field
• Bar Magnet - 1
• Small Paper Clips (placed in a plastic bag) - 10
• Digital Scales - 1
• Iron Filings - 20 g
• Compass - 2

Electromagnetic Induction
• Ceramic Ring Magnets - 4
• Insulated Copper Wire - 90 cm
• 20 ml Syringe with Cap - 1
• Tape Measure - 1

Optics Lab
• Mirror Support - 2
• Plane Mirror - 1
• Steel Bolts - 2
• Concave mirror - 1
• Convex mirror - 1
• Concave lens - 1
• Convex lens - 1