

# BIOE 320 Required Supplies by Lab



**Info:** All labs will require use of the BIOPAC MP3X data acquisition unit.

## **Week 1: Intro to BIOPAC**

- BIOPAC MP3X data acquisition unit

## **Week 2: Electromyography (EMG) I**

- BIOPAC student labs lesson L01: EMG I
- BIOPAC electrode lead set
- BIOPAC disposable vinyl electrodes
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel

## **Week 3: Electromyography (EMG) II**

- BIOPAC student labs lesson L01: EMG I
- BIOPAC electrode lead set
- BIOPAC reflex hammer transducer (SS36L)
- BIOPAC disposable vinyl electrodes
- Tape measure (supplied on request)
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel

## **Week 4: Electroencephalography (EEG)**

- BIOPAC student labs lesson L03: EEG 1 and L04: EEG 2
- BIOPAC electrode lead set
- BIOPAC disposable vinyl electrodes
- Elastic headband or cap to hold electrodes against the scalp
- Yoga mat
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel

## **Week 5: Electrocardiography (ECG) I**

- BIOPAC student labs lesson L05: ECG I
- BIOPAC electrode lead set
- BIOPAC disposable vinyl electrodes
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel

## **Week 6: Electrocardiography (ECG) II**

- BIOPAC electrode lead set
- BIOPAC disposable vinyl electrodes
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel

## **Week 7: Blood Pressure (BP)**

- BIOPAC electrode lead set
- BIOPAC disposable vinyl electrodes
- BIOPAC sphygmomanometer
- BIOPAC stethoscope
- Tape measure (supplied on request)
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel

## **Week 8: Pulmonary Function (PF) I**

- BIOPAC student labs lesson L12: PF 1 and L13: PF 2
- BIOPAC airflow transducer (SS11LA)
- BIOPAC calibration syringe (0.6L)
- BIOPAC disposable bacteriological filter
- BIOPAC disposable mouthpiece
- BIOPAC disposable nose clip

## **Week 9: Pulmonary Function (PF) II**

- BIOPAC student PRO lesson H19
- BIOPAC airflow transducer (SS11LA)
- BIOPAC calibration syringe (0.6L)
- BIOPAC 22mm non-rebreathing T valve (AFT 22)
- BIOPAC 2 clear plastic couplers (AFT 11C)
- BIOPAC blue coupler (AFT 11E)
- BIOPAC smooth bore tubing 35mm (AFT 7)
- BIOPAC 5L gas analysis system
- BIOPAC disposable bacteriological filter
- BIOPAC disposable mouthpiece
- BIOPAC disposable nose clip

## **Week 10: Basal Metabolic Rate (BMR)**

- BIOPAC student PRO lesson H19
- BIOPAC airflow transducer (SS11LA)
- BIOPAC calibration syringe (0.6L)
- BIOPAC 22mm non-rebreathing T valve (AFT 22)
- BIOPAC 2 clear plastic couplers (AFT 11C)
- BIOPAC blue coupler (AFT 11E)
- BIOPAC smooth bore tubing 35mm (AFT 7)
- BIOPAC 5L gas analysis system
- BIOPAC disposable bacteriological filter
- BIOPAC disposable mouthpiece
- BIOPAC disposable nose clip

## **Week 11: Electrooculography (EOG)**

- BIOPAC student labs lesson L10: EOG 1
- 2x BIOPAC electrode lead set
- BIOPAC disposable vinyl electrodes
- Optional but recommended: alcohol wipes, abrasive pads, physiology tape, electrode gel