

ECE 5255 Biomedical System Design Fall 2013

Lab 2A Manual BP Measurement

Names:

1. State measured BP values and have instructor/TA sign-off. _____
2. What blood pressure range is considered: a) ideal; b) pre-hypertension; c) hypertension?
3. Concerning a device that measures blood pressure automatically (for example one that automatically inflates and deflates the cuff while reading cuff pressure and monitoring a stethoscope signal), identify a safety issue and discuss how to engineer the device to address this issue.
4. Concerning a device that measures blood pressure automatically (for example one that automatically inflates and deflates the cuff while reading cuff pressure and monitoring a stethoscope signal), identify two issues that effect to signal quality and discuss how to engineer the device to address these issues.