## EMG Lab 3: In Class Assignment

## BIOE 385 Bioinstrumentation Laboratory

Print a copy of this sheet and bring it to lab!

Student Name:	Total Grade:	/20
Student Name:	Total Grade:	/20
Student Name:	Total Grade:	/20
Pre-Lab Assignment		
Student Name:	Grade:	: /5
Student Name:	Grade:	: /5
Student Name:	Grade:	: /5
Have the Instructor or Teaching Assistant initial that you have deful completion of each task where designated.	emonstrated su	ccess-
In-Lab Assignment		
Safety and Electrical Isolation		
After you make these connections, have your TA or instructor che connect any electrodes to the test subject.  TA check:	eck them befor	e you
EMG Amplification		
• Draw the circuit you want to build for this stage:		
TA abada		

behaving as you would expect. Before trying your circuit on a test subject, have the instructor or a TA check your circuit!  TA check:
Signal Filtering
Draw and build the filter you would like to have for your device. Specify your cutoff frequencies and components' values.
TA check:
Final Amplification
Amplify your signal (second stage) using an OP07 Op Amp to a level appropriate for detection with the NI ELVIS system.
TA check:
/15