

## **Music 451A F15 Final Report: LastName, FirstName**

### **Title**

(make your paper title to describe the study in a very concise manner – hint: go see several articles we have read in the class)

### **Authors**

(state people in your group including you)

### **Introduction**

(1 paragraph – pre-intro - what kind of scientific/everyday life situation is related to this study)

(1 paragraph - state what is known about the target component of the auditory evoked response (such as MMN or ERAN) )

(state the questions asked in the project. Also go search the database and find out whether the questions haven't been tested, but similar questions have been tested, and what have been found)

(state why asking this question is scientifically meaningful, in the light of knowledge in the literature)

(state hypotheses – note that the hypothesis is about psychological/neurological underlying process, not about the target ERP component itself, which is used as 'proxy' or 'index' of such a process)

(explain approaches and conditions) Therefore, we aimed to test these hypotheses by examining... Specifically we designed ....

(explain expected results)

### **Methods**

#### *Participants*

*N* participants were tested. (describe demographic characteristics about the participants – age, sex, musical experience)

#### *Stimuli (and Tasks)*

(describe stimulus sound contents, the number of stimuli, blocks, and the order of blocks, how many trials were standards and deviants, etc.)

#### *EEG recording procedure*

(state how many minutes took for one participant recording and its breakdown such as EEG preparation and recording)

(describe participant apparatus – sitting in a reclining chair, watching movie –explain why they are watching a movie with subtitles)

### *Data analysis*

(describe data analysis – how many eye blink types are used for SSP in general, what was the threshold of peak to peak artifact detection, was it trials rejected or channel rejected, how many trials were included into making averages per condition on average)  
(talk about one channel you are trying to focus on your overlay plots where maximum value is observed)

### **Results**

(describe the peak and latency characteristics in the difference waveform for the different conditions contrasts)

(insert each figure in the most appropriate page and make a caption underneath)

(describe what can be easily observed in the grand average waveforms)

(have topomaps and time series included. Make for each plot a caption (1-3 sentences what are in the plot))

### **Discussion**

(state what was found. Was the prediction confirmed or turned out to be opposite? Partially confirmed? How the results compare to the data in the literature? Can you come up with possible explanation(s) why the results differ from your expectation or the literature?)

(explain what is the strength in this study and why)

(explain what could be the problems in this study and why)

### **References**

(use APA format)

(upload all the PDFs you cited in the dropbox –make a folder 'Final\_project\_references')