BAIN MUSC 726
Tuning Theory

Teaching Demo Proposal

Due: Fri., March 1, 11:59 pm

Complete the form below. Entries are provided for a sample topic ("beats") using underlined text. Replace the underlined text with your information and upload the completed form into the Revised Teaching Demo Proposal Blackboard assignment by the deadline.

[1] Tuning Theory Topic

Beats

[2] Dictionary Definition

To help you get started with the project, find an appropriate dictionary definition for your topic and provide a quotation from it below. Examples of appropriate online dictionaries include: *Britannica Academic*, *Grove Music Online*, *The Harvard Dictionary of Music*, and the *Xenharmonic Wiki*. Links to these resources are available on the course website. Alternatively, you may draft your own definition.

The Harvard Dictionary defines **beats** as:

"A slight, steady pulsation in intensity that results from the interference between two sound waves of slightly different frequencies. The frequency of the beats will be equal to the difference between the frequencies of the sound waves. Since the beats will disappear if the two frequencies are made identical, the phenomenon is useful in the tuning of musical instruments."

[3] Citation

If applicable, provide a citation for the dictionary definition given in [2]:

Randel, Don Michael, ed. 2003. "Beats." In *The Harvard Dictionary of Music*, 4th ed. Harvard University Press. https://search.credoreference.com/articles/Qm9va0FydGljbGU6MTY3NDk0OQ==?aid=98800.

[4] Why is this topic of interest to you?

I have always been fascinated by beats and their role in tuning. I am especially interested in the rhythms that wave interference patterns create. I would like to learn more about the tuning theory, acoustics, and mathematics behind this acoustical phenomenon.

Grading

When your proposal is accepted, you will receive a score of 1/1 for this assignment. If the proposal form is not submitted, you will receive a score of 0/1. Your proposal grade will be factored into your final *Teaching Demo Project* grade as explained in the project guidelines.