

Summer Homework - Music Technology

Your opening unit will be 327 Understanding Recording Techniques. You need to demonstrate your knowledge and understanding in an essay, supplemented with diagrams where appropriate:

1.1 Discuss the basic physics

of sound, making reference to waveform and frequency and define the frequency range of at least five musical instruments (including the human voice) (approx. 400 words)

The more comprehensively you address the criteria, the more likely you will get a distinction! You must write it in your own words, tailored for readers with no prior knowledge.

Key areas to consider: What is sound? How does sound function? State and explain the ways in which sound is measured. State the frequency range of five musical instruments.

Extension: Research and describe/explain the harmonic series. What is it? How does it relate to the timbre of different instruments?

For those who would like to explore further:

https://www.youtube.com/watch?v=24yESm63tSY

- Physics of Sound

https://www.scienceworld.ca/resource/sound/ - So
und (Science World)

https://www.zytrax.com/tech/audio/audio.html - I
nstrument Frequency Ranges
https://www.youtube.com/watch?v=OATjHiOuc70 Harmonic Series Explained
https://www.youtube.com/c/AudioUniversity - Exc
ellent channel, you MUST subscribe!!!