

Music 253/CS 275A  
Stanford University  
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Musical Information: An Introduction  
Winter Quarter

**Music 253: Take-home Final Essays (Choose two of three)**  
**Due on Thursday, March 23, 2006, by 11 p.m.**

**Musical Information in Sound, Notation, and Analysis**

*Please preface each essay with the question to which you are responding.*

**Essay (1000-2000 words or 4-8 pp.):**

\*1. Discuss the (hypothetical) **encoding of melodic material** in a repertory with which you are familiar (for example, music for piano, guitar, orchestra, chamber music, band) **for (a) notation, (b) sound, and (c) analytical applications**. What problems could be encountered in this repertory for each of the three domains? To what extent are the problems solvable?

Answer **one** of the following:

**2. Essay (400-600 words or 1.5 to 2 pp.) (music majors):**

Which **attributes** of musical information are usually required for your selected application domain? How do the requirements of this domain differ from those of other domains?

OR

**3. Essay (400-600 words) (disciplines outside music):**

3. Discuss the difficulties that might be encountered in making **melodic searches** based on data available in the MIDI, SCORE, and Humdrum formats. Which attributes are searchable in each? How important are each of these to the data you discussed in #1? [Omit any portions of the class you did not take.]

*Please provide well organized material. You may include musical examples or other documentation of your points, or you can put a scanned image of a representative page of music at a URL where I can see it. (If posting, please give an explicit link address.)*

3alt: Discuss the difficulties that might be encountered in making an **interchange code** based on data available in the MIDI, SCORE, and Humdrum formats. Which attributes are unique to each? How important are each of these to the data you discussed in #1? [Omit any portions of the class you did not take.]

Please send by email to [esfield@stanford.edu](mailto:esfield@stanford.edu).

