

## Online Resources for Music 254

1. *Music Theory for Computer Applications*: basics of scales, modes, intervals, triads, and tonal harmony. Linked to course homepage ([www.ccarh.org/courses/254/](http://www.ccarh.org/courses/254/)). Also at
2. Humdrum Encoding Pack: Perry Roland's lessons on Humdrum \*\*kern encoding. [http://esf.ccarh.org/254/Handouts/Humdrum\\_EncodingPacket\\_VA.pdf](http://esf.ccarh.org/254/Handouts/Humdrum_EncodingPacket_VA.pdf)
3. Kern user guide  
[http://esf.ccarh.org/254/DATA/kern\\_zipfiles/](http://esf.ccarh.org/254/DATA/kern_zipfiles/)
4. Sample kern data: selected monophonic, classical, and ragtime pieces  
[http://esf.ccarh.org/254/DATA/kern\\_zipfiles/](http://esf.ccarh.org/254/DATA/kern_zipfiles/)
5. The full KernScores website: <http://kern.ccarh.org/> [open access]
6. MuseData format specification: full-text in Beyond MIDI. Much of the information is also in  
<http://www.ccarh.org/publications/books/beyondmidi/online/musedata/>
7. MuseData data samples: selected classical works in several genres  
[http://esf.ccarh.org/254/DATA/musedata\\_zipfiles/](http://esf.ccarh.org/254/DATA/musedata_zipfiles/)  
[http://esf.ccarh.org/254/DATA/musedata\\_zipfiles/MuseData\\_FileSample.pdf](http://esf.ccarh.org/254/DATA/musedata_zipfiles/MuseData_FileSample.pdf)
8. The full MuseData website: <http://www.musedata.org/> [downloads are password protected]
9. Kern-to-MIDI conversion: see <http://www.ccarh.org/courses/253/lab/kernmidi/>

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