Music 253 Syllabus (2007)

Week 1	**Basics of Music Representation: Jan. 12, Jan. 17 (18)**
	Samples of music encoding schemes (ESF)
	Purposes of encoding music (ESF)
	Visualizing music (ESF)
	Malinowski's *Music Animation Machine* (c. 1986); *examples*
	The Essen Data Collection: representing folksongs
	Sapp, C. S., "Visual Hierarchical Key Analysis" (2005)
	Sapp's *Tonal Harmony Keyscapes* (2001); *cf. CHARM Mazurka Project* (2006)
	Assignment 1: *Invent your own music representation scheme* (due 1/19/07)
	Ref. E. Selfridge-Field, Beyond MIDI, Ch. 1 (Describing Musical Information)
	EsAC and *Guido Music Notation*
	Assignment 2: *GUIDO music notation* (due 1/24-25/07)
Week 2	**Using and Finding Musical Data Resources; Notation Software (1) Finale Input Metehods: Jan. 19, Jan. 25 (26)**
	Musical data resources (Handout with links)
	Searching musical databases (*Themefinder*) (ESF)
	Authorship, editions, and copyright issues (ESF)
	Ref. Silas Brown: Braille Musical Notation (miscellaneous system)
	Finale and *Sibelius*: User Interfaces (Rob)
	Finale user input mode: Simple, Speedy, and Real-time (Rob)
	Assignment 3: *Finale data entry lab* (**Rob Hamilton**) (1due 1/31-2/1/07)
Week 3	**Data Acquisition (Input) and Interchange: MusicXML and *SharpEye*: Jan. 26, Jan. 31 (2/1)**
	MusicXML data format (RKH)
	Ref. *Beyond MIDI*: Ch. 27 (*MuseData*)
	Relationship of MusicXML to *MuseData* (CCARH)
	Optical music recognition (ESF/DA)
	Data transport: SCORE>*Finale*; *SharpEye*>*Finale*>*MuseData*
	Assignment 4: *SharpEye/MusicXML Lab* (**Rob Hamilton**) (Nos. 1-3: due 2/7-8/07)
Week 4	**SCORE (1): User Input: Feb. 2, Feb. 7 (8)**
	Ref. *Beyond MIDI*, Ch. 19 (SCORE)
	SCORE data entry system. See Hints on Assignments 6
	Assignment 5: *SCORE user input lab* (due 2/14-15/07): Preliminary exercises 1-6; handout 1, 2; SCORE input lab Nos. 1-4
Week 5	**SCORE (2): Parameters for printing: Feb. 9, Feb. 14 (15)**
	SCORE code items and parameter settings. See Hints on Assignment 7
	MuseData>SCORE conversion (**Walter Hewlett**)
	Assignment 6: *SCORE parameter lab* (due 2/21-22/07)

Week 6	**SCORE, Music V, and MIDI: Feb. 16, Feb. 21 (22)**
	Score parameters (2)
	Score and Music V (**Max Mathews**)
	Conducting MIDI on the radio baton (MVM)
	MIDI Files and Enharmonic Spelling
	Assignment 7*: MIDI file acquisition and editing*. (due 2/28-3/1/07)
Week 7	**Standard MIDI Files: Feb. 23, Feb. 28 (3/1)**
	Ref. *Beyond MIDI*, Ch. 2 (Standard MIDI Files)
	MIDI protocol
	Raw MIDI data
	Standard MIDI Files
	Assignment 8: *MIDI file parsing* (due 3/7-8/07)
Week 8	**MIDI Extensions (and Limitations): Mar. 2, Mar. 7 (8)**
	Performance data vs. notation data
	Music transcription and transposition
	Proposed extensions to MIDI
	Ref. *Beyond MIDI*, Chs. 3-6 (MIDI Extensions)
	MIDIPlus (**Walter Hewlett**)
Week 9	**Humdrum: Tools for Musical-Data Analysis: Mar. 9, Mar. 14 (15)**
	Ref. *Beyond MIDI*, Ch. 26 (*Humdrum*)
	The **kern data representation scheme
	The KernScores website
	The *Humdrum Toolkit*
	Sample uses of *Humdrum*
	Assignment 9: Encode two folk-songs in the **kern data format. (due on 3.16/07)
Week 10	**Humdrum Applications; Mar. 16**
	Music Representation: Review
	Lab: *Musical Dice Game*
	Ref. R. Segnini and C. Sapp, "Scoregram: Displaying Gross Timbre Information from a Score" (2005)
	***Take-home final*: Due by 11:00 p.m./Tues. Mar. 21st**