Week 1	**Basics of Music Representation: Jan. 11, Jan. 13**
	Samples of music encoding schemes (ESF)
	Purposes of encoding music (ESF)
	Visualizing music (ESF)
	Malinowski's *Music Animation Machine* (c. 1986*); examples*
	Ref. R. Segnini and C. Sapp, "Scoregram: Displaying Gross Timbre Information from a Score" (2005)
	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
	Ref. E. Selfridge-Field, Beyond MIDI, Ch. 1 (Describing Musical Information)
	EsAC and *Guido Music Notation*
	Assignment 2: GUIDO music notation
Week 2	**Notation Software: Interfaces and Methods of Distribution of Musical Scores: Jan. 18, Jan. 20**
	Finale and *Sibelius*: User Interfaces (ESF)
	Finale user input mode: Simple, Speedy, and Real-time
	Virtual scores (digital score data)
	Assignment 3: Finale data entry lab (**Rob Hamilton**)
	Searching musical databases (*Themefinder*) (ESF)
	Choral Public Domain Library (**Rafael Ornes**)
	Authorship, editions, and copyright issues (ESF)
	Assignment 4: Web distribution of musical scores
Week 3	**Data Acquisition and Interchange: MusicXML and *SharpEye*: Jan. 25, Jan. 27**
	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 5: SharpEye/MusicXML Lab (**Rob Hamilton**)
Week 4	**SCORE (1): User Input: Feb. 1, Feb. 3**
	Ref. *Beyond MIDI*, Ch. 19 (SCORE)
	SCORE data entry system. See Hints on Assignments 6
	Assignment 6: SCORE user input lab
Week 5	**SCORE (2): Parameters for printing: Feb. 8, Feb. 10**
	SCORE code items and parameter settings. See Hints on Assignment 7
	MuseData>SCORE conversion (**Walter Hewlett**)

	Assignment 7: SCORE parameter lab
Week 6	**SCORE, Music V, and MIDI: Feb. 15, Feb. 17**
	Score parameters (2)
	Score and MIDI
	Score and Music V (**Max Mathews**)
	Conducting MIDI on the radio baton (MVM)
Week 7	**Standard MIDI Files: Feb. 22, Feb. 24**
	Ref. *Beyond MIDI*, Ch. 2 (Standard MIDI Files)
	MIDI protocol
	Raw MIDI data
	Standard MIDI Files
	Assignment 8: Cakewalk/Music Creator Pro Lab (TBA)
Week 8	**MIDI Extensions (and Limitations): Mar. 1, Mar. 3**
	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. 8, Mar. 10**
	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.
Week 10	**Humdrum Applications; Mar. 15**
	Music Representation: Review
	Lab: *Musical Dice Game*
	Take-home final: Due by 11:00 p.m./Thurs. Mar. 23rd