Syllabus (readings for March and April still to be determined)

January 15: Introductions to class and Digital Signal Processing (DSP) courseware. Install Mathematica and DSP Courseware on laptop by start of next class.

January 27: DSP Courseware Chapter 1. Last 30 minutes of class general discussion of frequency, amplitude and phase. Chapter 1 Give it a Try and Literacy Sheets due by start of next class.

February 3: DSP Courseware Chapter 2. Last 30 minutes of class general discussion of sampling rate and aliasing.

February 10: DSP Courseware Chapter 2. Last 30 minutes of class general discussion of sampling rate and aliasing. Chapter 2 Give it a Try and Literacy Sheets due by start of next class.

February 17: DSP Courseware Chapter 3. Last 30 minutes of class general discussion of sampling rate and aliasing. Read Cook and Miller 1992 article for following week.

February 24: DSP Courseware Chapter 3. Last 30 minutes of class presentation of Cook and Miller 1992. Read Nitschke, Miller and Cook 1998 article for following week. Chapter 3 Give it a Try and Literacy Sheets due by start of next class.


March 16: DSP Courseware Chapter 4. Last 30 minutes student presentation of Edgar, Steward, and Miller 2005. Chapter 4 Give it a Try and Literacy Sheets due by start of next class.

March 23: DSP Courseware Chapter 5. Last 30 minutes student presentation of Edgar, Steward, Miller 2005. Read ?? (TBD) for next class.

March 30: DSP Courseware Chapter 5. Last 30 minutes student presentation of TBD. Read TBD by next class. Chapter 5 Give it a Try and Literacy Sheets due by start of next class.

April 6: DSP Courseware Chapter 6. Last 30 minutes student presentation of TBD. Read TBD by next week.
April 13: DSP Courseware Chapter 6. Last 30 minutes student presentation of TBD.
Chapter 6 Give it a Try and Literacy Sheets due by start of next class.

April 20: Student presentations of DSP topic of their choice.

April 27: Student presentations of DSP topic of their choice.

May 4: Student presentations of DSP topic of their choice.

Course grading: 60% DSP Courseware Give it a Try and Literacy Sheets, 20% class participation in discussions, 20% student presentation.