University of Montana

ScholarWorks at University of Montana

Fall 9-1-2001

MUS 170.01: Introduction to Music Technology

Scott Billadeau
University of Montana, Missoula

UNIVERSITY OF MONTANA SCHOOL OF MUSIC MUS 170 INTRODUCTION TO MUSIC TECHNOLOGY (Autumn 2001) Instructor -- Scott Billadeau Music 214 - Phone 243-5360 E-Mail - sirscott@mso.umt.edu Objective The objective of this class is to gain first-hand experience using the latest music technologies and to learn the basic concepts of music technology through lecture, projects, and additional lab time. The computer music workstation will be the emphasis of the class. Course Content The course, based on the Macintosh computer, includes a basic foundation in sound properties and synthesis, MIDI, sequencing, computer music notation, and digital audio. Software you will become fairly intimate with includes: the Vision sequencing program, the Sibelius notation program, and the digital audio program Peak. Required Materials Your physical existence in MUS 202 during the scheduled class time with a 3.5" floppy disk (Mac formatted) and your Music 170 Folder. Text: An Introduction To The Creation Of Electroacoustic Music (Author: Samuel Pellman) Grading Grades will be based on 2 quizzes (10% each), a midterm test (25%), 2 small sequencing projects (10% each), a brief music technology presentation (5%), and 1 really big final project (30%) Attendance : You can miss once for no reason and once for a very good reason. An example of a very good reason: "I was laying unconscious in the ER at St. Pat's during the scheduled class time. Here is videotape footage of me entering the hospital on a stretcher from the lobby's security camera." (Violation = 5 points off of final grade) UNIVERSITY OF MONTANA SCHOOL OF MUSIC MUS 271 Sequencing and Notation (Autumn 2001) Instructor -- Scott Billadeau Music 214 - Phone 243-5360 E-Mail - sirscott@mso.umt.edu Objective The objective of this class is to gain first-hand experience using the latest music technologies as they apply to MIDI Sequencing and Computer Music Notation. The course will mainly concentrate on how the computer music workstation can be utilized in order to make high quality sound realizations and a professional

music score for both studio purposes and stage performances. Course Content Week 1: Music Technology Review Week 2: MIDI Recording Techniques and Issues Week 3: Inside MIDI Week 4: Inside MIDI continued Week 5: Getting the Most out of your Tone Generator Week 6: An Introduction to Multimedia Scoring Week 7: Scoring Continued Week 8: Review and Midterm Week 9: Computer Music Notation Week 10: Computer Music Notation Cont. Week 11: Computer Music Notation Cont. Week 12: Music Notation for Studio Recording Week 13: Studio Projects Week 14: Studio Projects continued Week 15: Final Project Required Materials Several 3.5" floppy disks and a MUS 271 Folder for notes and handouts. Grading Grades will be based on attendance, class projects, and an exam or two. UNIVERSITY OF MONTANA SCHOOL OF MUSIC MUS 466 Music Programming Languages (Autumn 2001) Instructor -- Scott Billadeau Music 214 - Phone 243-5360 E-Mail - sirscott@mso.umt.edu Course Objective The objective of this class is to introduce advanced concepts in music technology, synthesis, and sampling along with gaining first-hand experience of the potential of the computer music workstation. Course Content Week 1: Music Tech. Review and Intro to Synthesis Week 2: Adv. Sound Properties and Intro to Meta Synth Week 3: Meta Synth continued Week 4: Intro to Sampling then Show and Tell Week 5: Intro to the Kurzweil K2000 Series Week 6: Kurzweil continued then Show and Tell Week 7: Intro to the SuperNova Digital/Analog Synth Week 8: SuperNova continued then Show and Tell Week 9: Intro to software plug-in synthesis Week 10: Plug-in synth continued then Show and Tell Week 11: Puting it all together Week 12: Final Project Work Week Week 13: Final Project Work Week Week 14: Final Project Show and Tell Week 15: Compact Disc Burning Required Materials Several 3.5" floppy disks, a 100 MB zip disk, and a MUS 466 Folder for notes and handouts. Grading Grades will be based on attendance, class projects, and an exam or two.