MIRROR SOUND Studios

Www.mirrorsound.com
301 NE 191st St., Seattle WA, 98155 206-440-5889

THE PRACTICAL AUDIO RECORDING COURSE (PARC)

Course Description and Registration Information

This 8-week program is an 8 week program given one night per week from 7-10PM focusing on today's studio recording technology, techniques, terminology hardware and software. Designed primarily for musicians, artists and sound engineers, PARC has also been popular with DJs and just about anyone interested in sound production and recording. The course is offered at Mirror Sound Studio's 24-track Shoreline facility. With a legacy of over 2 decades, students find Parc's small class size comfortable and enjoyable. Small classes (limited to 6 students per class), gives each student maximum attention and "Hands-On Training" time. Another feature of PARC are the projects (live bands, R&B artists, voice-over or mix projects brought from home) that students may bring in during the class. Working on your own music and later evaluating your mix at home is a great way to sharpen your skills and set goals for yourself in recording. Understanding the academics of sound is another a priority of Parc's curriculum. We use David Hubers' renowned text: Modern Recording Techniques, 7th Edition and is available at the studio. A certificate is awarded to each student upon successful completion of the course.

8-Week Course Outline

Week One: Introductions, Sound and Hearing, Studio Acoustics, Monitoring, the recording process, Phase, Equal Loudness Contours
Read: Chapters 1,2,3,16
Focus: Frequency response, dynamic range, audio metering, terminology, equal loudness contours, phase coherency. Speaker Design, Far Field vs. Near Field Monitors, Headphones, Discuss Student Projects, Control Room Equipment Survey

Week Two: Microphones: Design and Application, Microphone Technique
Read: Chapter 4
Focus: Dynamic vs. condenser microphone design, polar patterns, mic placement, balanced vs. unbalanced, proximity effect, Student Mic-shootout

Week Three: Signal Processors Part 1: Equalizers, The Digital Audio Workstation (DAW)
Read: Chapter 14 (pp 469-484), & Chapter 7
Focus: various types of filters, pink-noise/real-time analysis, the patch bay, feedback suppression, DAW Software, Intro to Pro Tools, SonarX1 Integration, Basic functions, How to get Started

Week Four: Signal Processors Part 2: Compressors, Limiters, Expanders (Gates), Dessers, Plug-ins vs. Hardware
Read: Chapter 14 (pp 487-501)
Focus: compression parameters, applications, stereo limiting, **Start Student Projects**

Week Five: MID-TERM Quiz, Digital Effects
Read: Chapter 14 (pp 503-513)
Focus: chorusing, echo, doubling, flanging, glossary, plug-ins vs. hardware Reverb, implementation in a mix, **Student Projects**

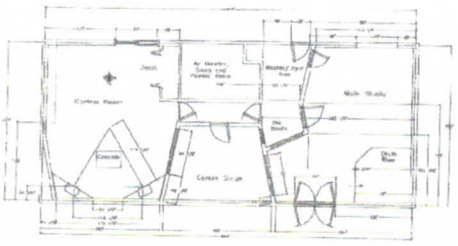
Week Six: Musical Instrument Digital Interface (MIDI)
Read: Chapter 8,9,10
Focus: Midi recording and editing, Midi Controllers, Midi Voice Modules, Sonar X1, Reason, **& Student Projects**

Week Seven: Mixing on a Console vs. DAW Mixing "in the box"
Read: Chapter 13
Focus: Busses, Aux Sends, Direct Outputs, Insert Points, Master Module, Digital vrs Analog summing, Stems **& Student Projects**

Week Eight: Studio Session Procedures, Home Studios, Mastering, **FINAL EXAM**
Read: Chapter 18, 20
Focus: Mastering expectations (technical & artistic), processors, dithering, sample rate conversion, editing, fades, sequencing, results
Student Projects Wrap-up, Closing Ceremony

Students interested in additional training, please inquire about The Advanced Course or tutoring on specific subjects

Date: 1 evening per week for 8 weeks from 6-9pm. *Allow for a possible 1 week recess during your class (9 weeks total).*
Text: David Miles Hubers' *Modern Recording Techniques,* (7th Edition) $50.
Tuition: $600 (payment plan available) Call now to secure your reservation for the next course, 50% deposit required. Checks, cash or money orders accepted. *Sorry, no makeup's or tuition refunds for missed classes.*



The original floor plans for the new studio rooms. Isolation, sight lines and favorable acoustics were primary objectives. (shoreline)

Pro Tools HD

Engineer Aaron Parks (back) showing the basics of an 8-bus analog console to students.