

DMP01 - Intro To Digital Music Production



The objective of the DMP01 course is to introduce users to basic, software based music production techniques. This will include an introduction to basic hardware integration and Apple's professional music production software. The course will cover both technical and creative aspects of music production with the inclusion of sound engineering and composition. Delegates will develop the following skills in Audio & MIDI; recording, composing, editing, mixing and mastering. Delegates will be provided with course notes and develop their knowledge through theoretical presentations and practical demonstrations. A basic understanding of music and computer software is advised for the undertaking of this course.

Course Tools

The course will be predominantly software based, making use of Apple's Garageband and Logic Express. Hardware used will include MIDI keyboards, microphones, headphones and other external audio sources. Delegates are welcome to bring along their own Mac Books and/or audio equipment (MIDI controller/Instrument/Audio Interface).

Apple's Garageband is ideal for introducing users to MIDI and Audio implementation, with an intuitive user interface and easy plug and play connectivity with hardware. Delegates will begin by exploring the user interface and building simple arrangements using Apple loops. Methods of recording and editing both Audio and MIDI are explained followed by basic MIDI/Drum Programming techniques. Garageband also provides a perfect platform for learning the fundamentals of song composition and arrangement.

Apple's Logic Express is an Industry Standard Audio package providing users with all the tools necessary to build a professional sounding song. Delegates will get the opportunity to use Logic's powerful Software Instrument's and Audio Effects Plug-Ins to create, mix and master a final track.

Who Should Attend

This class is designed for those who want to learn music production and composition using Logic Pro or Logic Express and who prefer hands-on and interactive instruction to best explore its functionality.

What You Will Learn

- Understanding Workflow Techniques
- Recording and Editing Audio
- Recording and Editing MIDI
- Using Software Instruments
- Working with Audio Effects
- Mixing and Automation
- Manipulating Pitch and Time

Prerequisites

Students should have the following prerequisite knowledge prior to attending this course:

- Basic knowledge of Mac OS X
- Basic knowledge of audio terminology is recommended

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Scala Cinema and Arts Centre, Rooftop Media Suite 47 High Street, Prestatyn, LL19 9AH
tel: 01745 850 197 email: support@scalaprestatyn.co.uk
Registered Charity No. 1125284

Intro To Digital Music Production - DMP01: Course Schedule

Day 1

Exploring Software Interface and Using Apple Loops

Opening Logic, Exploring the Interface, Starting a Project with Apple Loops, Navigating the Project, Building an Arrangement, Mixing the Song, and Exporting the Mix

Recording and Editing Audio Tracks

Setting Up Digital Audio Recording Settings, Recording a Single Track, Recording Additional Takes, Recording Multiple Tracks, Punching In and Out (On the Fly and Automatic), Changing Recording and Metronome Setting

Day 2

Drum Programming

Programming a Drum Pattern in Ultrabeat, Changing the Groove in the MIDI Editors, Creating a Snare Roll Using the Hyper Editor, Converting a MIDI Sequence into an Audio Region and Converting an Audio Region into a Sampler Instrument Track

Song Arrangement and Composition

Previewing the Song, Using Existing Material to Fill in Parts, Adding and Deleting Sections, Muting Elements and Cleaning Up Noisy Recordings

Mixing Techniques and Effects Explanations

Previewing the Final Mix, Amp Modeller, Adjusting Levels, Choosing Pan Positions, Choosing EQ Settings, Using Delay and Reverberation, Using Dynamic Processing Plug-ins and Tips and Tricks

Mastering and Exporting

Creating and Editing Offline Automation, Recording Live Automation, Using Control Surfaces and Exporting the Mix

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