Audio Essentials

media training

enquiries@mediatraining.ltd.uk 020 7359 9855 www.mediatraining.ltd.uk

Course description

Always wanted to know your mp3s from your WAVs but were afraid to ask? This course is designed for those with some experience of working with audio but who need to know more about compression, file-formats and limitations of digital audio files.

The essentials are stripped down and presented in as non-technical a way as possible and audio samples are used throughout the course so you actually hear the different results.

Course information

Course duration

One day

Course cost

Public scheduled course: £275 plus VAT per person.
This course runs as a public scheduled course on a regular basis.
Please call 020 7359 9855 or visit www.mediatraining.ltd.uk for dates.

Private course costs:
£420 plus VAT for individual tuition. £605 plus VAT for two delegates.
£825 plus VAT for three delegates. Each additional delegate: £100 plus VAT.

Course location

We have two fully equipped training centres in central London; one is in Highbury and Islington (one stop from Kings Cross) and one next to Waterloo station.
We can also run courses onsite at your offices if you prefer.

Pre course requirements

There are no pre course requirements.

Post training support

The cost of the course includes lunch, course notes to take away, a certificate and six months telephone Helpline support.

Follow on courses

Introduction to Adobe Audition

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Audio basics
- The audio spectrum
- Audio dynamic range
- Recording analogue audio
- Analogue media - LPs and tape

Converting to digital audio
- Digitising audio
- PCM encoding
- Explanation of sampling rates
- The Nyquist frequency
- Aliasing and anti-aliasing
- Bit depth and dynamic range
- Dither noise and masking dither noise
- Examples of different types of sampling
- Storing PCM Recordings
- PCM as WAV and AIFF

Bit-rate compression of digital audio
- Why do we need to compress?
- Examples of file formats - mp3, AAF, mp4 etc
- How compression works
- Using different software for compression
- Identifying compression defects and artifacts
- Streaming compressed files
- A-B comparison between uncompressed and compressed examples

Encoding audio
- The need for error correction
- Information carried on the PQ channels

Dynamic range compression
- Why compress your dynamic range?
- Dynamic range compression vs bitrate compression
- When to apply compression
- Different examples - different sounds
- Threshold, ratio and gain - understanding the controls

Editing audio
- Simple examples of editing
- Speech editing
- Music editing

Questions and answers