

DIGITAL AUDIO MIXING AND SOUND ENGINEERING

This service focuses on providing high-end infrastructure for professional audio engineering, including a mixing console, digital audio workstation, and advanced effects and dynamics processors. Operating under expert guidance, participants can practice instrument tracking, podcast production, and movie clip audio dubbing while mastering proper engineering workflows and mastering fundamentals.



APPLICATION EXAMPLES

- Podcast audio and multi-camera video recording
- Instrument recording up to 8 channels simultaneously
- Movie clip audio dubbing and voiceover workflows
- Acoustic gear testing in an acoustically isolated room
- Analogue and digital audio hardware testing
- Custom audio device development and validation



INFRASTRUCTURE

- Digital audio workstation supporting up to 48 audio channels
- Individual channel dynamics (compressor, expander, gate, limiter)
- Yamaha reverberation unit and Sony delay unit
- Multi-effect processors (Sony and Lexicon hardware units)
- Windows-based PC with sound editing and measurement tools
- Acoustically isolated professional recording booth



REFERENCES

- The Safe One band album recording (2024)
- Linux-based Audio Over IP device development and testing in the audio chain (in progress since 2024)
- Podcast recording for degree thesis and end-of-semester exam content (2025)
- Creative Fun Creation band music recording (2026)