course beginning: spring spring

subject catalogue S23 K24

course code KOE950

name of course

Digital Skills for Musicians

specification

for BA level, elective for MA

academic instructor
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prerequisite course

no of terms
1

contact hr/total
40.0

hr/term
40.0

hr/week
0.0

ECTS/total
2.00

Lect
0.0
Grp
0.0
Ind
40.0
Sem
0.0
Pract
0.0

graded or pass/fail exams

A

term

1

ECTS

2.00

aim of the subject

The main goal of the subject is to provide students with digital skills essential for their studies at the university and their future careers in a technology-rich society. The course consists of seven topics, of which the first is compulsory and six others are elective:

Introduction to Sound Theory

AV Recording

Online AV Collaboration Tools

Digital Music Libraries

Music Notation Software

Data Collection and Spreadsheets

E-Portfolio Development

Each student must choose four elective topics in addition to the compulsory one.

The aim of Introduction to Sound Theory is to develop a basic understanding of the physics of sound, i.e. acoustics and psychoacoustics. The aim of AV Recording is to teach how to record a music performance, using mainly the equipment of the academy. The aim of Online AV Collaboration Tools is to introduce students to different digital solutions that enable teaching and performing online. The aim of Digital Music Libraries is to introduce students to various digital music libraries. The aim of Music Notation Software is to give an overview of the most commonly used music notation software. The aim of "Data Collection and Spreadsheets" is to introduce students to the basics of web-based questionnaire design and data analysis. The aim of E-Portfolio Development is to familiarize students with various digital tools for creating an e-portfolio.

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content

Topic 1) "Introduction to Sound Theory". Students will gain a basic understanding of the key elements of sound that are essential for the other topics of the course. Students will be familiar with sound related terminology and understand its meaning. The theoretical part is supported by interactive programs that help students understand the topic more practically.

Topic 2) "AV Recording". Students will gain knowledge and skills in techniques for positioning devices to obtain high-quality audio and visual output, camera and audio recorder settings, sound recording theory and file format differences, as well as video and audio editing techniques and basic file handling procedures. Students will also understand the importance of proper equipment handling and how to troubleshoot basic technical issues that may arise during the recording process.

Topic 3) “Online AV Collaboration Tools”. Students will gain a general overview of different digital solutions which enable teaching and performing online and they will be familiar with some freeware and open source software. Additionally, the possibilities offered by the academy (rooms and equipment installed) will be introduced and students will have the opportunity to practice with them.

Topic 4) “Digital Music Libraries”. Students are introduced to various digital music libraries (e.g. IMSLP, nkoda, Henle). Themes such as repertoire provision, editions, annotating tools are covered and the focus is on how these can enhance the students’ performance, teaching or research practice. This topic includes instructions on how to use digital libraries on laptops, tablets and smartphones (including the possibility to borrow academy’s iPads).

Topic 5) “Music Notation Software”. Students are introduced to both browser-based software and desktop applications that require installation. The pros and cons of each type are highlighted to them. The following software are considered: Finale, Sibelius, Dorico, MuseScore, Noteflight, Flat. The main functionality of music notation software on various devices is introduced and possible use case scenarios are presented.

Topic 6) “Data Collection and Spreadsheets”. Students are introduced to the basics of web-based questionnaire design and they will learn to manipulate and analyze data with spreadsheets.

Topic 7) “E-Portfolio Development”. Students will learn about the importance of e-portfolios, different types and essential components of e-portfolios. Students will gain knowledge and skills in creating and designing an e-portfolio that showcases their musical work and digital skills.

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learning outcomes

Topic 1) “Introduction to Sound Theory”. Upon successful completion of the course, students will be able to:

- understand the basics of the physics of sound and its terminology;
- understand the basics of acoustics and psychoacoustics.

Topic 2) “AV Recording”. Upon successful completion of the course, students will be able to:

- record musical performances, using the provided recording kit systems or other basic equipment;

- edit and mix recorded content to achieve desired audio and visual results;

- render audio or video files and upload them to popular video-sharing platforms.

Topic 3) “Online AV Collaboration Tools”. Upon successful completion of the course, students will be able to:

- independently use video conferencing software and hardware meant for teaching/performing over the internet;

- independently use academy’s rooms equipped for teaching/performing over the internet.

Topic 4) “Digital Music Libraries”. Upon successful completion of the course, students will be able to:

- access and use various digital sheet music libraries;

- find the repertoire they require using relevant search engines;

- use tools such as metronome, fingering, annotation and identify cases where each tool is applicable.

Topic 5) “Music Notation Software”. Upon successful completion of the course, students will be able to:

- identify which music notation software is suitable for their needs;

- successfully apply music notation software in their performance, teaching, or research practice;

- integrate music notation software into other tools (LMS or presentation software).

Topic 6) “Data Collection and Spreadsheets”. Upon successful completion of the course, students will be able to:

- create a web-based questionnaire to collect data;

- apply basic methods of data analysis and visualize collected data.

Topic 7) “E-Portfolio Development”. Upon successful completion of the course, students will be able to:

- understand the importance of an e-portfolio for musicians;

- create and design an e-portfolio to showcase their musical work and digital skills.

assessment

The assessment will be carried out via Moodle using an asynchronous model. At the end of each topic students are required to pass a test and/or submit a practical task. The deadlines will be clearly stated in Moodle.

assessment criteria

In order to pass the subject, students should complete the compulsory topic Introduction to Sound Theory and four elective topics. The specific assessment criteria for each topic are specified in Moodle and communicated to the students ahead of the assessment.

course reading material

Learning resources will be available in the learning management system of the academy.

author of course description

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