



Higher Music Technology

Assignment

Assessment task

This document provides information for teachers and lecturers about the coursework component of this course in terms of the skills, knowledge and understanding that are assessed. It **must** be read in conjunction with the course specification.

Valid from session 2018-19 and until further notice.

The information in this publication may be reproduced in support of SQA qualifications only on a non-commercial basis. If it is reproduced, SQA must be clearly acknowledged as the source. If it is to be reproduced for any other purpose, written permission must be obtained from permissions@sqa.org.uk.

This edition: May 2018 (version 1.0)

© Scottish Qualifications Authority 2013, 2018

Contents

Introduction	1
Instructions for teachers and lecturers	2
Marking instructions	4
Instructions for candidates	5

Introduction

This document contains instructions for teachers and lecturers and instructions for candidates for the Higher Music Technology assignment. You must read it in conjunction with the course specification.

This assignment is worth 80 marks. This is 70% of the overall marks for the course assessment.

This is one of two course assessment components. The other component is a question paper.

The purpose of the assignment is to assess practical application of knowledge and skills from the course to plan, implement and evaluate a creative production using music technology.

The assignment has three stages.

Stage 1 'planning the production' has 20 marks.

Stage 2 'implementing the production' has 50 marks.

Stage 3 'evaluating the production' has 10 marks.

Teachers or lecturers should provide candidates with the instructions for candidates in this document.

Instructions for teachers and lecturers

Task requirements

The creative production may be in any appropriate context such as (but not limited to) radio broadcast, composing and sound design for film, audiobooks and computer gaming, and must include:

- ◆ multi-tracked recording(s) of sounds and/or music, and
- ◆ multi-tracked, electronically produced sounds and/or music

combined into a complete production appropriate to the chosen context.

The production must be at least 4 minutes, but no more than 7 minutes, in length and must involve at least 10 tracks.

Candidates must agree their chosen context and production with you, to ensure that it is appropriately challenging and allows them to demonstrate all of the required technical skills listed below:

Audio capture skills

- ◆ selecting and making appropriate use of at least two types of microphone and two polar patterns, with placement appropriate to the sound source, and using at least one stereo recording technique
- ◆ selecting and making appropriate use of at least one source which requires a direct line input
- ◆ selecting and using virtual and/or MIDI instruments to create electronic sounds and/or music
- ◆ successfully designing and safely constructing the signal path for multiple inputs
- ◆ setting appropriate input gain and monitoring levels, with no distortion
- ◆ overdubbing at least one track

Processing skills

- ◆ editing tracks, including editing a minimum of three takes into a single take
- ◆ applying creative and/or corrective equalisation
- ◆ applying dynamics processing, including the use of compression and/or limiting, and noise gate controllers

Applying effects

- ◆ applying time domain and other effects, including at least two from: delay, echo, reverb, chorus, phase, flange
- ◆ manipulating the controls of virtual and/or MIDI instruments (for example ADSR envelopes, LFO, filter)

Mixing and sequencing skills

- ◆ applying a range of mixing techniques, including using volume, panning, automation, send and insert effects, and grouping/bussing to achieve a balanced and creative mix
- ◆ accurate synchronisation and/or sequencing in complex scenarios involving multiple takes and/or simultaneous events
- ◆ mixing down to an audio master in appropriate file format(s)

Marking instructions

The marking instructions for the Higher Music Technology assignment are in the course specification.

Instructions for candidates

This assessment applies to the assignment for Higher Music Technology.

This assignment is worth 80 marks. This is 70% of the overall marks for the course assessment.

It assesses the following skills, knowledge and understanding:

- ◆ skills in using music technology hardware and software to capture and manipulate audio
- ◆ application of music technology in creative ways
- ◆ planning, implementing and evaluating a sound production

This assignment has three stages.

Stage 1 'planning the production' has 20 marks.

Stage 2 'implementing the production' has 50 marks.

Stage 3 'evaluating the production' has 10 marks.

Your teacher or lecturer will let you know if there are any specific conditions for doing this assessment.

In this assessment, you have to produce the audio for a film soundtrack, audiobook, radio broadcast, computer game or other similar context.

Your production must include:

- ◆ multi-tracked recording(s) of sounds and/or music
- ◆ multi-tracked, electronically produced sounds and/or music

combined into a complete production appropriate to your chosen context.

Your production must be at least 4 minutes, but no more than 7 minutes, in length, and must involve at least 10 tracks.

Throughout the task, you must keep a record of progress. This could be an informal log or diary in handwritten or electronic form.

You should update your record of progress after each stage of the task. It should explain what you have done, describe any help you needed, and list any evidence you have produced (printouts, sketches, photographs, sound files).

After each stage of the task, ask your teacher or lecturer to check your work.

Before you begin

You should discuss the task with your teacher or lecturer before you begin the planning process to ensure that your production will allow you to demonstrate all of the following technical skills:

Audio capture

- ◆ selecting and making appropriate use of at least two types of microphone and two polar patterns, with placement appropriate to the sound source, and using at least one stereo recording technique
- ◆ selecting and making appropriate use of at least one source which requires a direct line input
- ◆ selecting and using virtual and/or MIDI instruments to create electronic sounds and/or music
- ◆ successfully designing and safely constructing the signal path for multiple inputs
- ◆ setting appropriate input gain and monitoring levels, with no distortion
- ◆ overdubbing at least one track

Processing

- ◆ editing tracks, including editing a minimum of three takes into a single take
- ◆ applying creative and/or corrective equalisation
- ◆ applying dynamics processing, including the use of compression and/or limiting and noise gate controllers

Applying effects

- ◆ applying time domain and other effects, including at least two from: delay, echo, reverb, chorus, phase, flange
- ◆ manipulating the controls of virtual and/or MIDI instruments (for example ADSR envelopes, LFO, filter)

Mixing and sequencing

- ◆ applying a range of mixing techniques, including using volume, panning, automation, send and insert effects, and grouping/bussing to achieve a balanced and creative mix
- ◆ accurate synchronisation and/or sequencing in complex scenarios involving multiple takes and/or simultaneous events
- ◆ mixing down to an audio master in appropriate file format(s)

If you are sure that your production will allow you to demonstrate all of the above technical skills, and have confirmed this with your teacher or lecturer, you are ready to begin planning your production.

Stage 1: planning the production (20 marks)

During the planning stage, you must produce the following:

Planning sound design (10 marks)

- ◆ a detailed sound design map containing each element of the audio (for example sound design, Foley, dialogue, music)
- ◆ a detailed production plan, itemising each piece of sound design, Foley or dialogue, including planning of microphone type and position, EQ, effects, processing and automation
- ◆ an outline of the music you are going to use
- ◆ an updated record of progress, documenting the planning process for this stage

Planning the recording, creating, editing, and mixing (10 marks)

- ◆ a detailed performance plan for the musical elements of the production, which may be influenced by decisions you made above
- ◆ a production plan, which should describe how you will record and/or create each sound element, including microphone types, pattern and placements, and virtual and/or MIDI instruments, and the reasons for your choices
- ◆ a mixing plan, including how you intend to use effects, processes and automation, and the reasons for your choices
- ◆ an updated record of progress, documenting the planning process for this stage

Stage 2: implementing the production (50 marks)

During this stage, you must produce the following:

- ◆ a completed soundtrack, including the multi-tracked recordings, bounced to an appropriate audio format (or video file format, with embedded audio)
- ◆ an updated record of progress, documenting the techniques used in the development of the multi-tracked recordings, and details of the development of the complete soundtrack

Stage 3: evaluating the production (10 marks)

Your evaluation must include your:

- ◆ justification for significant technical and creative decisions
- ◆ suggestions of how and where you could make improvements
- ◆ evaluation of the development process and the production process

You must evaluate your:

- ◆ planning
- ◆ recording and creating
- ◆ editing and processing
- ◆ final mix

Final checks

Check your work to make sure you have completed all stages of the assignment. Check that you have collected all the required evidence.

Let your teacher or lecturer know when you have finished the assignment.

Administrative information

Published: May 2018 (version 1.0)

History of changes

Version	Description of change	Date

Note: you are advised to check SQA's website to ensure you are using the most up-to-date version of this document.

Security and confidentiality

This document can be used by SQA approved centres for the assessment of National Courses and not for any other purpose.

© Scottish Qualifications Authority 2013, 2018