Music Department

Interview for the position of
Lecturer in Sound Recording and Music Production (Music), 9151

Module proposal for the MA Music Production

Candidate
Dr Balandino Di Donato
balandino.didonato@leicester.ac.uk

Submitted on 13th April 2021
Interview date 14th April 2021

Proposal no. 1: AI Music Production (20 credits)

Module aims

- To study the techniques, technologies and aesthetics of audio production using AI.
- To engage with literature that discusses the use of AI technologies, and their impact to the music culture.
- To explore different approaches to music production and analysis with AI to co-create with machines.
- To develop listening skills to assess the quality of AI-driven systems and its contribution to the music production process.

Module learning outcomes

Subject content:

- Students should understand the dominant approaches to using AI technologies to produce music and the effect of these approaches on the music itself and the creative process.
- Students should be able to competently AI systems for music production.
- Students should be able to evaluate and describe through listening the effect of AI systems, as well as being able to suggest remedial or aesthetic changes.

Academic and graduate skills:

- Working to a specific product brief
- Autonomous task planning, research and implementation
- Ability to advance individual knowledge and understanding
- Inter-personal communication skills
- Initiative
- Problem solving
- Flexibility and adaptability
- Commitment and motivation
- Analytic skills
- Self-management
- Self-motivation
- Organisation and planning
- Time management and prioritisation
- Engagement with the unfamiliar
- Independent learning
- Reviewing progress

Assessment

Task	Length	% of module mark
Essay/coursework Edited microphone recording using AI	N/A	100

Special assessment rules

None

Reassessment

Task	Length	% of module mark
Essay/coursework Edited microphone recording using AI	N/A	100

Module feedback

- Single-take stereo recording of a single instrument: Comments and breakdown of marks by end of semester 1.
- Edited stereo microphone recording using AI systems: Comments and breakdown of marks by end of semester 2.

Indicative reading

- Balaban, M., Ebcioglu, K. and Laske, E. (1992) Understanding Music with AI: Perspectives on Music Cognition. United Kingdom: AAAI Press.
- Hepworth-Sawyer, R., Toulson, R., Paterson, J., Hodgson, J. (2019) Innovation in Music: Performance, Production, Technology, and Business. United States: Taylor & Francis.
- Hodgson, J., Hepworth-Sawyer, R. (2016) Mixing Music. United Kingdom: Taylor & Francis.
- Serafin, S., Välimäki, V., Lokki, T., Müller, M. (2018) Sound and Music Computing Spain: MDPI.
- Stables, R., Reiss, J. D., De Man, B. (2019). Intelligent Music Production. United States: Taylor & Francis.

Proposal no. 2: Remote experiences (20 credits)

Module aims

- To study the techniques, technologies and aesthetics of audio production for remote delivery (tv, radio and online).
- To engage with literature that discusses the use of broadcast and streaming technologies and their impact on the music culture.
- To explore different approaches to remote broadcasting and streaming.
- To develop listening skills to assess the quality of broadcasted and streamed music.

Module learning outcomes

Subject content:

- Students should understand the dominant approaches to using broadcast technologies to deliver music worldwide.
- Students should be able to competently broadcast, edit and master music so that the listening experience is seamless on various devices.
- Students should be able to evaluate and describe through listening to broadcasted music, as well as being able to suggest remedial or aesthetic changes.

Academic and graduate skills:

- Working to a specific product brief
- Autonomous task planning, research and implementation
- Ability to advance individual knowledge and understanding
- Inter-personal communication skills
- Initiative
- Problem solving
- Flexibility and adaptability
- Commitment and motivation
- Analytic skills
- Self-management
- Self-motivation
- Organisation and planning
- Time management and prioritisation
- Engagement with the unfamiliar
- Independent learning
- Reviewing progress

Assessment

Task	Length	% of module mark
Essay/coursework Recording of broadcasted live music concert (radio, tv or online).	N/A	100

Special assessment rules

None

Reassessment

Task	Length	% of module mark
Essay/coursework Recording of broadcasted live music concert (radio, tv or online).	N/A	100

Module feedback

- Rehearsal recording: Comments and breakdown of marks by the end of semester 1.
- Final recording: Comments and breakdown of marks by end of semester 2.

Indicative reading

- Austerberry, D. (2013). The Technology of Video and Audio Streaming. United Kingdom: Taylor & Francis.
- Bottomley, A. J. (2020). Sound Streams: A Cultural History of Radio-Internet Convergence. United States: University of Michigan Press.
- Fischer, W. (2020). Digital Video and Audio Broadcasting Technology: A Practical Engineering Guide. Germany: Springer International Publishing.
- Nisbett, A. (2017). Sound Studio: Audio Techniques for Radio, Television, Film and Recording. United Kingdom: Taylor & Francis Group.
- Talbot-Smith, M. (2013). Broadcast Sound Technology. United Kingdom: Elsevier Science.