

A vintage Neumann microphone is the central focus, resting on a mixing console. The microphone has a silver mesh grille and a dark body. The background shows a keyboard and various knobs and sliders on the console, all with a dark, moody lighting scheme. The text 'The Art of Recording & Production 2024' is overlaid in white on the right side of the image.

The Art of Recording & Production 2024

20th to 24th of July 2024



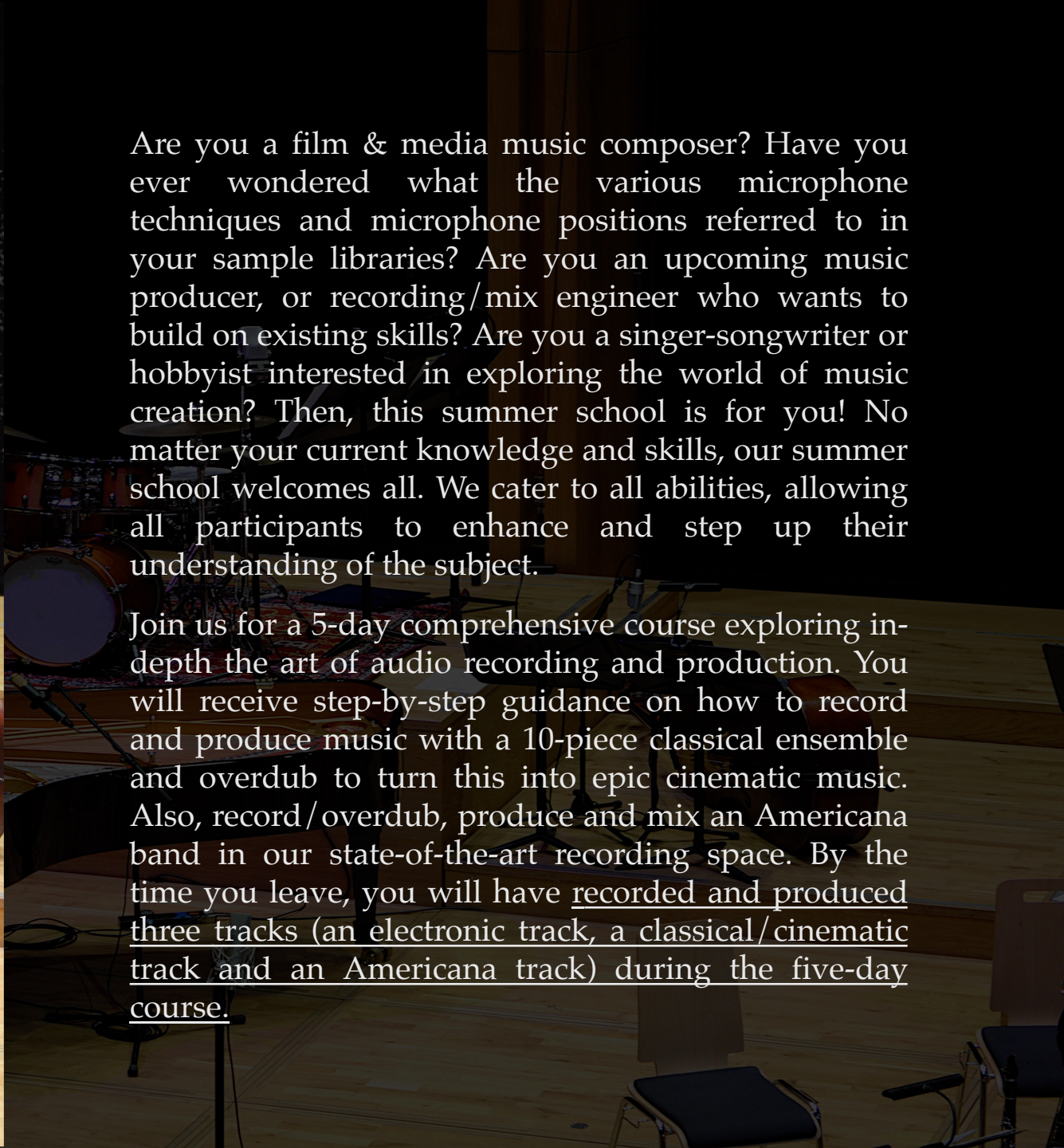
University of
St Andrews

Laidlaw
Music Centre



Are you a film & media music composer? Have you ever wondered what the various microphone techniques and microphone positions referred to in your sample libraries? Are you an upcoming music producer, or recording/mix engineer who wants to build on existing skills? Are you a singer-songwriter or hobbyist interested in exploring the world of music creation? Then, this summer school is for you! No matter your current knowledge and skills, our summer school welcomes all. We cater to all abilities, allowing all participants to enhance and step up their understanding of the subject.

Join us for a 5-day comprehensive course exploring in-depth the art of audio recording and production. You will receive step-by-step guidance on how to record and produce music with a 10-piece classical ensemble and overdub to turn this into epic cinematic music. Also, record/overdub, produce and mix an Americana band in our state-of-the-art recording space. By the time you leave, you will have recorded and produced three tracks (an electronic track, a classical/cinematic track and an Americana track) during the five-day course.





Instructors will use a variety of industry-standard Digital Audio Workstations (DAW), hardware and software. We will explore technologies and techniques used by everyone from bedroom producers to professional studio producers and engineers and everything in between. No matter the gear available to you at home, we will empower you with the necessary skills to produce and engineer the music you love.

What to expect:

1. Spend five days exploring the art of recording, production and post-production in a world-class recording space.
2. Dive deep into the world of microphones: by the end of the course, you will confidently pick the right microphone and microphone placement for the job.
3. Understand the thought process behind classical and cinematic recordings under the expert supervision of Garry Boyle (PIXAR "Brave", Netflix "Outlaw King", The Elephant Session, The Katet and more) in a live recording session.
4. Explore synthesis and electronic music production with our Head of Music Technology, Dr. Jonathan Kemp.
5. Q&A after each lesson.

Your Course:

Day 1: Introduction to Microphones, Recording & Microphone Techniques. Discover microphone types, structure, polar patterns, frequency response, signal-to-noise ratio, sensitivity and various microphone techniques including ORTF, NOS, Mid-Side, XY, Space Pair, Blumline, Decca Tree and more, and understand how to implement them to your benefit.

Day 2: MIDI sequencing, Band Recording. Learn MIDI sequencing/programming for electronic music composition and production. Create a 1-minute collaborative electronic music track using synthesis. Record drum kit, acoustic & bass guitar with Dry Island Buffalo Jump (a St Andrews Americana band).

Day 3: Explore EQ, Compression and Spatial Effect, 10 Musicians Recording Session Understand EQ, compression, gates, expanders and spatial effects like reverb and delays to achieve three-dimensional stereo width and depth. Follow along with Garry Boyle in a classical and cinematic recording session with 10 session musicians using Pro Tools. Understand editing and post-production in orchestral genres.

Day 4: Recording and Editing Overdubs, Setup Tech for a Live Gig, and Engineer the Gig. Record and edit overdubs (vocals, electric guitar, and piano) and complete production of a Dry Island Buffalo Jump song. Come along for a live performance by Dry Island Buffalo Jump – enjoy the free concert and learn live sound from monitor to front-of-house engineering using Allen & Heath consoles.

Day 5: Mixing for Width, Depth and Height. Edit, and mix the Dry Island Buffalo Jump song using various serial and parallel processing techniques used in the industry.



Course Tutors:

Dr. Jonathan Kemp - Dr. Jonathan A. Kemp is a physicist and musician working at the University of St Andrews. He received his BSc with first-class honours in Physics with Music at the University of Edinburgh in 1998 and then completed his PhD thesis in brass musical instrument acoustics in 2002. Jonathan has previous teaching experience at the University of Edinburgh, the Open University, and the University of Abertay, Dundee in addition to guitar tuition for which he gained a LLCM(TD) teacher's diploma in Electric Guitar from the London College of Music in 2005. He has been working full-time in Music and Physics at the University of St Andrews since 2011, managing recording, live sound and streaming within the Music Centre building in addition to teaching and conducting research. His research includes work on inharmonicity in bass guitar strings and the pitch sensitivity of guitar strings to player control, commercialised through kempstrings.com. In terms of musical output, Jonathan is the bassist for Teannaich rock ceilidh band and singer and guitarist for Dry Island Buffalo Jump in addition to running the Music Centre's band St Andrews Fusion.

<https://research-portal.st-andrews.ac.uk/en/persons/jonathan-andrew-kemp>

<http://kempacoustics.com>



Udayan Meshram - Having graduated from the University of Salford with a first-class honours degree in Music Technology and a first-class degree in Electrical Engineering from Rajiv Gandhi College of Engineering & Research, Udayan works as a music producer, recording and audio engineer and technician. Credits include music production and engineering for a Manchester-based Rock-Jazz-Indian fusion band called Wingspread. He also works as a film & media music composer with wildlife documentary filmmaker Katie Thompson. Other work experience includes recording sessions with Halle Youth Choir, and Manchester Collective, audiobook production for Penguin Books and music for animation. Whilst being involved from pre-production to post-production of audio, Udayan is the Laidlaw Music Centre Technician and can be found doing recording and live sound for a variety of concerts.

<https://udayanmeshram.wixsite.com/udayan-meshram>

<https://www.linkedin.com/in/udayanmeshram>



Anthony White - Meet Anthony White, a multifaceted composer and producer whose creative prowess enriches the academic and artistic landscape of the University of St Andrews. Anthony's filmography ranges from short indie films to short documentaries, short dramas and horror. Amongst his works Anthony scored the music to: 'Hands That Haunt', 'The Druid', 'Music for the Deaf', 'Sole Custody', 'The Great Conjunction' (which since its completion received multiple awards and won the Prague International Film Festival in the autumn of 2022), 'In My Room' 'Heaven', 'Nelson The Giant' and in addition music for commercials and jingles. More recently Anthony has collaborated with Scottish singer songwriter Cammy Barnes and had the opportunity to orchestrate his newest release, 'Leave'.

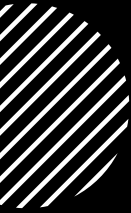
https://www.imdb.com/name/nm11830253/?ref=fn_al_nm_2

<https://www.linkedin.com/in/anthony-white-frsa-7b8a4a143>

Garry Boyle - Garry Boyle is a Recording Engineer/Mixer/Producer and Sound Designer based at Slate Room Recording Studio, Pencaitland. Garry holds a Degree in Popular Music from Napier University, Edinburgh. In the music world Garry has produced / recorded / mixed a wide range of artists including the Elephant Sessions (Trad Album of the year winner 2022), Trio HLK with Dame Evelyn Glennie, Blue Rose Code, Broken Records, The Katet, Beats and Pieces Big Band, Matt Carmichael, Fergus McCreadie, Stanley Odd, Kirsten Adamson, Dean Owens, Katheryn Joseph and The Tinderbox Orchestra amongst many more. Garry also has numerous credits with the RSNO as Score Recordist / Pro Tools Engineer including Netflix Life on our Planet, Sony's Equaliser 3, Apple TV Silo amongst many others. In 2022 Garry was nomination for Best Sound Design at the 2022 UK Pantomime Awards and won Best Music and Sound at the 2022 CATS Awards for The Stamping Ground.

<http://www.garryboyle.com>

<https://www.imdb.com/name/nm9382890>



GETTING HERE

Leuchars Railway Station is a ten-minute journey from St Andrews by bus or taxi. Direct bus services to St Andrews operate from Dundee, Edinburgh and Glasgow.

Accommodation

The Art of Recording & Production participants can enjoy bed and breakfast accommodation at David Russell Hall, a modern residence commended by the Scottish Tourist Board. It is situated 15 minutes' walk from the town centre. Each room contains a double bed, en-suite bathroom with shower, wash hand basin and toilet, television, telephone and tea and coffee-making facilities. (will be charged separately).

General conditions

1 a) These general conditions, together with the Registration Form, comprise the contract between the client and the University of St Andrews.

b) Places are limited and are allocated strictly in order of receipt of fee.

2. Cancellation

The University of St Andrews Music Centre Office must be notified in writing of all cancellations. A non-refundable charge: Before 01 May: 25% of the total cost. Before 28 May: 50% of the total cost. Thereafter: The full fee is non-refundable.

3. Liability

The University maintains a public liability policy covering legal liability for bodily injury and property damage arising out of the University's business. Any loss, damage to property or injury not resulting from negligence will not be covered by the University.

4. General

a) The University of St Andrews reserves the right to cancel the course, up to

four weeks in advance if the numbers enrolled have not reached the minimum required. b) The University of St Andrews reserves the right to cancel or amend the delivery of, the course for reasons outwith its control, including but not limited to Force Majeur, Royal Demise or restrictions imposed due to the prevailing public health situation. C) The University of St Andrews reserves the right to replace the advertised staff or amend the programme where it is found to be unavoidable.

5. Insurance

Participants are strongly advised to take out travel insurance or adequate cover for the duration of their course and journey. The University does not provide insurance to cover cancellation costs, loss of baggage, injury, money etc.

Please enquire if you would like to book accommodation (will be charged separately).

To apply and pay please visit:

<https://www.st-andrews.ac.uk/music/all/short-courses/recording-and-production/>