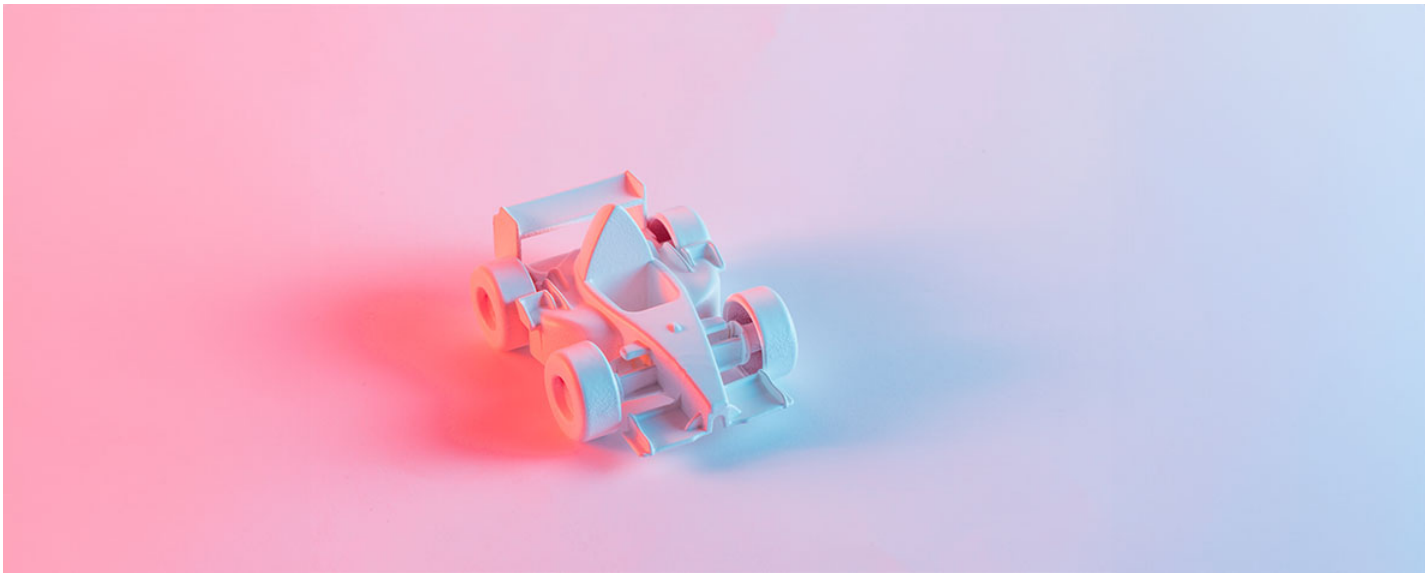
COURSE INFORMATION LEAFLET

Laser Cutting & 3D Printing



In a nutshell

Do you want to create your own handcrafted edition of your favourite board game? do you want to create unique boards and playing pieces for your own board game design? Perhaps you want to create professional looking terrain for your tabletop battles. This is the course for you!

In this digital fabrication course we'll be going over the basics of 3D Modelling, 3D Printing and Lazer cutting. This course is designed for beginners to gain an understanding of how to prototype ideas for tabletop games. The emphasis for the course is on building skills and confidence using a range of 3D printers, modelling software, Lazer cutters and design software enabling you to get the most out your 3D printer and Lazer cutter as a hobby or for business.

This course is for...

...anyone who wants to learn about 3D printing and lazer cutting for hobbies like model making and tabletop games to crafts, product design and engineering.

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Course content

You will cover:

Design your own 3D models in Autodesk Maya and Blender
Design your own game boards and Lazer cut them on plywood or acrylic sheets
Master proper "slicing" software settings for best print results
Set up your printer for proper first layer adhesion
Find free ready-made files to download and print yourself
Get recommendations on which printer and "slicing" software to start with
Creating vector graphics and cutting guides for a range of flat sheet materials

This course will take you on a journey through the entire tabletop game prototyping process—from designing your own 3D models in a 3D design software, to then preparing it to print it in the “slicing” software, and finally printing the game pieces or figures. This course will show you step by step from start to finish how the entire 3D printing process works. It might seem overwhelming, but it’s actually incredibly simple and easy to do.

You'll need regular attendance and an enthusiasm for the subject.

Entry Requirements

You will be required to have basic knowledge of using a personal computer.

Additional information

The School of Creative Arts is offering a suite of courses throughout the year.

The courses we are currently offering are:

Textiles
Ceramics
Print Making
Photography
3D Printing
Creative Wellbeing and Arts Practice
DJ Skills using Ableton Live
Performing Arts
Singing for Pleasure

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Creative Writing
Furniture Upcycling and Craft
Jewellery Making
Digital Drawing Using Procreate
Launching a Creative Venture/Business

Beyond this course there is a progression route for you to enrol onto the Advanced Digital Fabrication course.