CAD and Essential Production Skills

Module Information

2022.01, Approved

Summary Information

Module Code	4532TPR
Formal Module Title	CAD and Essential Production Skills
Owning School	Liverpool Screen School
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	Pass/Not Pass

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Liverpool Institute for Performing Arts

Learning Methods

Learning Method Type	Hours
Lecture	36
Practical	35
Seminar	15
Tutorial	6
Workshop	25

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	28 Weeks

Aims and Outcomes

Aims	The aim of this course is to equip level 4 students with both basic safe working knowledge and practical core competency in design and technical tasks that consider industry expectations as well as LIPA in-house safe working practices that include an exploration of the legal obligations explicit in the work place. These competencies will enable the learner to work in an informed and safe manner. The delivery of technical and design responsibilities requires certain fundamental skills that will be deployed in future assessments, AutoCAD, Photoshop software and other visualisation platforms, key practices that will form a strong foundation for future assessments and practical delivery

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Demonstrate an understanding of the key elements of technical drawings, layouts and visualisations for performance by creating accurate computer-aided designs in two and three-dimensional forms.
MLO2	2	Demonstrate abilities in backstage production-related skills, such as scenic construction workshop techniques, basic electrical safety and skills, rigging and flying equipment techniques and working at height.
MLO3	3	Appreciate and implement codes of practice and safe working procedures related to LIPA's Health and Safety policy and industry-related regulations.
MLO4	4	Create, assemble and modify raster graphic images through the use of the photo manipulation software to communicate design ideas and intentions.

Module Content

Outline Syllabus	Students will undertake and achieve suitable expertise in technical and design tasks associated with producing live performance safely. This will include such issues and skills as: *Computer-aided design using AutoCAD software and computer visualisation software. *Introduction to Photoshop software. *Scenic construction workshop techniques, tools & safety. *Stage technology, incorporating the understanding flying and rigging systems and how to design (e.g. Loading and suspension considerations), install and operate them safely. *Basic electrical safety. *Soldering skills. *Working at height and the use of in-house access equipment, such as stepladders, extension ladders, Zarges, Tallescopes and Genie platforms. Use of chemicals, solvents and flammable or volatile substances. *Fire safety at work.*Development of skills in technical and design areas in AV
Module Overview	
Additional Information	Paul Halgarth is the Module Leader.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Examination	100	0	MLO1, MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings

Partner Module Team

Contact Name	Applies to all offerings	Offerings