

Introduction to Entertainment Lighting Course Modules

Topic	Module	Time
Electrical Theory	 What is electricity? How is it made? How is it used? Voltage, Current and Resistance Ohm's Law Power Watt's Law AC and DC Cable basics Series and Parallel Circuit Protection – What is it? Methods of circuit protection Single Phase and Three Phase Connector types Electrical Safety	2 hours
Introduction to Stage Lighting	Multimeters and their use A short history of stage lights	3 hours
Optics and Colour	 The optic path of a light Focusing a hard-edged image Managing heat and UV Additive Colour Mixing Subtractive Colour Mixing 	1 hour



Moving Lights	Making things move	1½ hours
Control	 Introduction to early control (analogue) DMX What is it? Rules Wiring Patching and addressing Introduction to networks Basic rules of networking Switches and cables IP Addresses and Subnets Introduction to ArtNet and sACN 	2 hours