

Liverpool John Moores University

Title: Single Camera Techniques
Status: Definitive
Code: **4512TVPROD** (120000)
Version Start Date: 01-08-2014

Owning School/Faculty: Liverpool Screen School
Teaching School/Faculty: Stockport College

Team	Leader
Alex Irving	

Academic Level: FHEQ4 **Credit Value:** 24.00 **Total Delivered Hours:** 72.00
Total Learning Hours: 240 **Private Study:** 168

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	42.000
Workshop	30.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Written Assignment (800 words)	30.0	
Artefacts	AS3	Practical Filming and Editing Project	35.0	
Portfolio	AS2	Portfolio of Production Research including Qualitative evaluation of completed edit	35.0	

Aims

To develop the student's understanding of the basic theories surrounding camera operation and controlled lighting and allow them to experiment in a variety of situations to create mood by means of lighting.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate a basic understanding of visual language for TV production
- 2 Conduct research into basic composition and in-camera effects
- 3 Demonstrate an understanding of the quality requirements and standards involved in the communication of your ideas to others

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Essay	1		
Artefact	1	2	3
Portfolio	1	2	

Outline Syllabus

Camera: setup and operation of studio & location equipment, basic camcorder operation, white balance, focal length, composition, use of focal length, control of exposure, depth-of-field, camera tricks (pull-focus, throw-focus, de-focus, etc.), perspective & viewpoint.

Lighting: The nature of light, use of apertures, understanding depth of field, setting white balance, setup and operation of location lighting kit, reflected light, colour temperature (daylight/tungsten correction) neutral density & other light filtering, lighting design for effect (indoor/outdoor, gels, gobos, flags, nets, etc.), the inverse-square law, subject brightness range.

Aesthetics: Visual communication, basic semiotics, juxtaposition, viewpoint, rule of thirds, style, appropriate use of light, pace, environment, persuasion, emotional responses or association.

Operational: PTC setup and conducting interviews, Health & Safety in studio and on location

Learning Activities

Formal Lectures will be followed by workshop sessions with lighting & camera equipment in studio and on location. Where possible, a session with a visiting Industrial Specialist (a Lighting Designer or established Camera Operator) will be included.

References

Course Material	Book
Author	Bermingham, A.

Publishing Year	2003
Title	Location Lighting for Television
Subtitle	
Edition	
Publisher	Amsterdam, Netherlands: Elsevier
ISBN	

Course Material	Book
Author	Brown, B.
Publishing Year	2011
Title	Cinematography
Subtitle	Theory and Practice - Image making for Cinematographers and Directors
Edition	2nd
Publisher	London, UK: Focal Press
ISBN	

Course Material	Book
Author	Jackman, J.
Publishing Year	2004
Title	Lighting for Digital Video and Television
Subtitle	
Edition	
Publisher	Amsterdam, Netherlands: Elsevier
ISBN	

Course Material	Book
Author	Mercado, G.
Publishing Year	2013
Title	Filmakers Eye
Subtitle	Learning (and breaking) the rules of cinematic composition
Edition	
Publisher	London, UK: Focal Press
ISBN	

Course Material	Book
Author	Millerson, G.
Publishing Year	1999
Title	Lighting for Film and Television
Subtitle	
Edition	3rd
Publisher	London, UK: Focal Press
ISBN	

Course Material	Book
Author	Musburger, R.
Publishing Year	2010

Title	Single Camera Video Production
Subtitle	
Edition	5th
Publisher	London, UK: Focal Press
ISBN	

Course Material	Website
Author	
Publishing Year	
Title	http://www.bbc.co.uk/academy/collegeofproduction/collections/lighting
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Website
Author	
Publishing Year	
Title	http://www.lightingdiagrams.com/
Subtitle	
Edition	
Publisher	
ISBN	

Course Material	Journal / Article
Author	
Publishing Year	
Title	Zerb
Subtitle	
Edition	
Publisher	The Guild of Television Cameramen
ISBN	

Notes

This module serves to introduce students to the tools behind the creative process. As well as exploring concepts of visual language, communicating using composition and control of light for mood, students will learn methodologies to visualise and present their ideas.

Single-camera practice introduces the process of planning and design principles for production and so feeds into the subsequent production modules.

Workshops will vary in length depending upon individual need and will involve some independent study. Students will be expected to conduct 168 hours of private study for this module.

