Liverpool John Moores University

Title:	LIVE MULTI-CAMERA OUTSIDE BROADCASTING
Status:	Definitive
Code:	**4502TVPROD** (115418)
Version Start Date:	01-08-2011

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

Team	emplid	Leader
Alex Irving		Y

Academic Level:	FHEQ4	**Credit Value:**	12.00	**Total Delivered Hours:**	40.00
Total Learning Hours:	120	**Private Study:**	80		

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	5.000
Practical	25.000
Tutorial	5.000
Workshop	5.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Portfolio of production planning	40.0	
Reflection	AS2	Written self-evaluation and peer-evaluation	20.0	
Report	AS3	Recording of Live Multi-camera Outside Broadcast	40.0	

Aims

Introduces the student to the conventions and technologies of outside broadcast operation by televising a live event.

Learning Outcomes

After completing the module the student should be able to:

1. Demonstrate understanding of the technical requirements for designing O.B. rigs.
2. Demonstrate understanding of the inter-relationships and communication required for O.B. operation.
3. Demonstrate involvement in research and production management skills.
4. Evidence O.B. pre-production & production skills.

Learning Outcomes of Assessments

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

Portfolio	1	2	3
Written self-eval. & peer-eval	2		
Recording of Outside Broadcast	4		

Outline Syllabus

Technical operations: basic de-rig unit design - signal path for vision and sound mixing on location - basic circuit planning for interconnection, cable identification(male/female connectors, 16 amp, etc.), synchronous & asynchronous sources & timebase correction, clock-tracking and basic tilting, introduction to other technical terms and processes.

Sound Operation: channels & levels, monitoring (PFL & AFL), signal path, 'floats' for ambience; sub-mixing.

Learning Activities

The initial sessions will be workshop based with subsequent sessions spent in pre-production and design for a substantial live-mixed multi-camera webcast (perhaps of a theatrical performance, with any additional pre-recorded material and interval features supplied by the students and 'rolled in' live); operated as a live practical broadcast by the students with production equipment on location and streamed live to the internet. Module content is tutor-driven; but student led and team-focused.

References

Course Material	Book
Author	Ward, P. Bermingham, A. Wherry, C.
Publishing Year	2000
Title	Multiskilling for Television Production

Subtitle	
Edition	
Publisher	Focal Press
ISBN	

Course Material	Book
Author	Watts, Harris
Publishing Year	1997
Title	On Camera
Subtitle	Essential know-how for programme makers
Edition	2nd Revised Edition
Publisher	AAVO
ISBN	

Course Material	Book
Author	Jarvis, P.
Publishing Year	1993
Title	A Production Handbook
Subtitle	
Edition	
Publisher	Focal Press
ISBN	

Course Material	Book
Author	Lyver, P. and Swainson, G.
Publishing Year	1995
Title	Video Production
Subtitle	
Edition	
Publisher	Focal Press
ISBN	

Course Material	Book
Author	Millerson, G.
Publishing Year	1994
Title	Video Camera Techniques
Subtitle	
Edition	
Publisher	Focal Press
ISBN	

Course Material	Book
Author	Millerson, G.
Publishing Year	1999
Title	TV Production
Subtitle	
Edition	13th Edition

Publisher	Focal Press
ISBN	

Course Material	Book
Author	Todorovic, A.L.
Publishing Year	2006
Title	Television Technolgy Demystified
Subtitle	
Edition	
Publisher	Focal Press
ISBN	

Notes

Live televised location 'events' rely on understanding and effective operation of a location unit (sometimes called a 'de-rig' unit). This module introduces students to the design and operation of such a live-mix multi-camera unit operating within a live situation including pre-recorded, edited material - as required.