

## Module: Post-production Techniques for Video by Ian Carmichael, Sam Heitzman & Alan Sheldon

Code: SED3002

20 credits at level HE6

### Description and Purpose of Module

The aim of this module is for the student to learn how to apply traditional and current techniques and technology for the production of audio for different visual media. It examines lay back and synchronisation techniques appropriate to different media.

### Indicative Syllabus Content

Dynamic Material Design:

Audio: Structure, content, mixing, balancing and editing.  
Video: Structure, content, balancing and editing.

Software:  
Pro tools

### Learning, Teaching and Assessment

A combination of lecture, seminar, demonstrations and in-class course work will be used to introduce the subject matter and to develop understanding. Students will be encouraged to critically analyse examples in peer review.

The major assignment will define a particular application to which students will be required to devise an effective solution appropriate to its purpose.

Activity (hours);  
Formal lectures (20)  
In-class course work (20)  
Unsupervised practicals (30)  
Tutorials (15)  
Directed reading (25)  
Directed research (30)  
Assignment preparation and implementation (60)  
Total 200 hours.

### Learning Outcomes and Assessment Criteria

	Learning Outcomes when you have successfully completed this module you will:	Assessment Criteria to demonstrate that you have achieved the learning outcome you will:
1.	Assess and apply corrective and creative techniques in balancing audio signals over a range of multi-channel audio and video formats.	1. Compile a production master video in a range of formats. 2. Successfully liaise with client to fulfil client's requirements for project. 3. Effectively apply signal processing techniques, including Noise Reduction, limiting and equalisation, etc. 4. Critically review and apply creative techniques for balancing audio. 5. Create a range of multichannel mixdown media. 6. Analyse and evaluate your own methods in completing the assignment.
2.	Develop an understanding of a range of file formats used for different visual media.	1. Successfully encode and decode file formats. 2. Utilise a range of file formats within the project.
3.	Develop skills in sound replacement techniques.	1. Record audio for ADR purposes. 2. Critically review and balance replaced audio within the original session.
4.	Recognise and implement current technical standards for the TV broadcast industry and commercial distribution.	1. Meet current standard requirements for broadcast audio. 2. Meet current requirements for commercial distribution standards.

### Assessment

Your achievement of the learning outcomes for this module will be tested as follows:

Type	CW	PRA
Description	Self-evaluative essay	Project
%age	20	80

**Prerequisite Module(s)**

Before taking this module you must have successfully completed the following:

- Post-production Techniques (SED2003)

**Barred Combinations**

No restrictions apply.

**Indicative Reading**

Allen S. Audio in Media: The Recording Studio (Wadsworth, 1995).  
 Amyes T. Audio Post-production in Video and Film (Focal Press, 1998).  
 Bernstein S. Film Production (Focal Press, 1994).  
 Garvy H. Before You Shoot: A Guide to Low Budget Film and Video Production (Shire Press, 1995).  
 Horwin M. Careers in Film and Video Production (Focal Press, 1989).  
 Karlin F and Rayburn W. On the Track: A Guide to Contemporary Film Scoring (Schirmer, 1990).  
 Lyver D. Basics of Video Sound (Focal Press, 1995).  
 McPherson A. The Audio Visual Handbook. How to Communicate Ideas with the Aid of Sound and Pictures (Pelham, 1988).  
 Mix Magazine and Coppola F F. Sound for Picture (Omnibus Press, 1998).  
 Rona J. Synchronisation: From Reel-to-Reel: A Complete Guide for the Synchronisation of Audio, Film and Video (Hal Leonard Pub, 1988).  
 Shepherd A. Pro Tools for Video Film & Multimedia (Muska & Lipman, 2003)  
 Talbot-Smith M. Broadcast Sound Technology (Focal Press, 1990).  
 Watkinson J. Audio for Television (Focal Press, 1998).

Journals:

Audio Media  
 Pro Sound News  
 Resolution

<b>Module Type:</b>	STAN
<b>Module Length:</b>	1
<b>Host Subject Group:</b>	
<b>Version Number::</b>	0.1

**Activity Log**

User Name	Date Accessed	Action
rj1	05/10/2006 17:26:52	added
Admin	09/10/2006 12:38:16	amended
rj1	20/10/2006 16:22:56	amended
rj1	26/02/2007 16:01:50	amended
rj1	26/02/2007 16:33:46	amended
rj1	26/02/2007 17:54:50	amended
IC2EXT	25/04/2007 17:35:01	amended
IC2EXT	25/04/2007 17:40:10	amended
IC2EXT	26/04/2007 15:29:58	amended
IC2EXT	26/04/2007 15:52:04	amended
IC2EXT	26/04/2007 16:13:21	amended
IC2EXT	26/04/2007 16:18:53	amended
IC2EXT	26/04/2007 17:39:36	amended
IC2EXT	27/04/2007 13:12:34	amended
IC2EXT	27/04/2007 14:58:02	amended
IC2EXT	27/04/2007 15:14:10	amended
IC2EXT	27/04/2007 15:39:09	amended
IC2EXT	27/04/2007 15:40:37	amended
IC2EXT	27/04/2007 16:02:53	amended
IC2EXT	03/05/2007 11:34:09	amended
IC2EXT	03/05/2007 11:35:23	amended
IC2EXT	03/05/2007 11:57:09	amended
IC2EXT	03/05/2007 11:59:00	amended
IC2EXT	03/05/2007 12:29:09	amended
IC2EXT	03/05/2007 12:36:22	amended
IC2EXT	03/05/2007 15:03:49	amended
IC2EXT	04/05/2007 11:20:30	amended
Admin	10/09/2010 12:37:23	Ammended
aca1	16/05/2011 18:01:47	added
aca1	31/05/2011 16:07:45	Ammended
Admin	12/09/2011 10:33:27	Ammended

md2	25/10/2011 16:30:57	Ammended
md2	27/10/2011 15:16:29	Ammended
md2	27/10/2011 15:18:45	Ammended
md2	27/10/2011 15:22:09	Ammended
md2	09/11/2011 15:16:20	Ammended
md2	01/12/2011 14:13:07	Ammended
md2	01/12/2011 14:19:07	Ammended
Admin	06/01/2012 13:55:18	Validated
Admin	17/05/2012 10:54:45	Revalidated

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