



**MONASH** University  
Information Technology

**FIT3008**  
**Advanced digital video**

**Unit Guide**

**Semester 2, 2014**

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*Last updated: 07 Jul 2014*

# Table of Contents

<b><u>FIT3008 Advanced digital video - Semester 2, 2014</u></b> .....	<b>1</b>
<u>Mode of Delivery</u> .....	1
<u>Workload Requirements</u> .....	1
<u>Unit Relationships</u> .....	1
<u>Prerequisites</u> .....	1
<u>Chief Examiner</u> .....	1
<u>Campus Lecturer</u> .....	1
<u>Caulfield</u> .....	1
<u>Tutors</u> .....	2
<u>Caulfield</u> .....	2
<u>Your feedback to Us</u> .....	2
<u>Previous Student Evaluations of this Unit</u> .....	2
<b><u>Academic Overview</u></b> .....	<b>3</b>
<u>Learning Outcomes</u> .....	3
<b><u>Unit Schedule</u></b> .....	<b>4</b>
<u>Teaching Approach</u> .....	4
<u>Assessment Summary</u> .....	4
<b><u>Assessment Requirements</u></b> .....	<b>6</b>
<u>Assessment Policy</u> .....	6
<u>Assessment Tasks</u> .....	6
<u>Hurdle Requirements</u> .....	6
<u>Participation</u> .....	6
<u>Learning resources</u> .....	8
<u>Feedback to you</u> .....	8
<u>Extensions and penalties</u> .....	9
<u>Returning assignments</u> .....	9
<u>Assignment submission</u> .....	9
<u>Online submission</u> .....	9
<u>Required Resources</u> .....	9
<b><u>Other Information</u></b> .....	<b>10</b>
<u>Policies</u> .....	10
<u>Faculty resources and policies</u> .....	10
<u>Graduate Attributes Policy</u> .....	10
<u>Student Charter</u> .....	10
<u>Student services</u> .....	10
<u>Monash University Library</u> .....	11
<u>Disability Liaison Unit</u> .....	11
<u>Other</u> .....	11

# **FIT3008 Advanced digital video - Semester 2, 2014**

The unit builds on the knowledge of basic concepts from [FIT2026](#) Sound and video studio by further developing an understanding of the multimedia development process, tools and techniques as applied to advanced time based media manipulation in multimedia content production. It introduces students to a range of techniques by which video can be manipulated and enhanced after the original material has been recorded.

## **Mode of Delivery**

Caulfield (Day)

## **Workload Requirements**

Minimum total expected workload equals 12 hours per week comprising:

(a.) Contact hours for on-campus students:

- One 1-hour lecture
- One 3-hour tutorial

(b.) Additional requirements (all students):

- A minimum of 8 hours independent study per week for completing lab and project work, private study and revision.

## **Unit Relationships**

### **Prerequisites**

[FIT2026](#)

### **Chief Examiner**

**Mr Mark Power**

### **Campus Lecturer**

### **Caulfield**

**Mark Power**

Consultation hours: Thursday 3PM to 5PM

## **Tutors**

### **Caulfield**

#### **Mark Power**

Consultation hours: Thursday 3PM to 5PM

#### **Rick Laird**

Consultation hours: Friday 11AM to 1PM

## **Your feedback to Us**

Monash is committed to excellence in education and regularly seeks feedback from students, employers and staff. One of the key formal ways students have to provide feedback is through the Student Evaluation of Teaching and Units (SETU) survey. The University's student evaluation policy requires that every unit is evaluated each year. Students are strongly encouraged to complete the surveys. The feedback is anonymous and provides the Faculty with evidence of aspects that students are satisfied and areas for improvement.

For more information on Monash's educational strategy, see:

[www.monash.edu.au/about/monash-directions/](http://www.monash.edu.au/about/monash-directions/) and on student evaluations, see:  
[www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html](http://www.policy.monash.edu/policy-bank/academic/education/quality/student-evaluation-policy.html)

## **Previous Student Evaluations of this Unit**

The unit received a favorable response of 4.3 out of 5 in the unit review in regards to overall student satisfaction.

Due to hardware and software considerations, this unit requires a Mac lab. This year the machines in both Mac labs have been upgraded.

If you wish to view how previous students rated this unit, please go to  
<https://emuapps.monash.edu.au/unitevaluations/index.jsp>

# Academic Overview

## Learning Outcomes

At the completion of this unit students will be able to:

- develop a project management plan for delivering a video product that showcases a combination of live action and visual effects;
- use sound and video recording hardware and software to create a video based product that incorporates digital compositing and manipulation of video and graphic elements;
- demonstrate aesthetic and technical skills in creating motion graphics that impart clear and specific information;
- create media content that demonstrates skill and understanding of compositing techniques.

## Unit Schedule

Week	Activities	Assessment
0	Students should check the assignments and resources on MOODLE	No formal assessment or activities are undertaken in week 0
1	Introduction to unit, overview of assignments and activities	
2	Overview of Project Plan requirements	
3	Concepts in motion graphics production	
4	Using masks and mattes	Assignment 1 due Week 4, 22 August, 2014, 4pm
5	3D applications in post production	
6	Green screen capture	Assignment 2 due Week 6, 5 September, 2014, 4pm
7	Chroma key	
8	Motion tracking	
9	Particle systems	
10	Applying expressions	
11	Rendering and troubleshooting	
12	Review of topics and deliverables	Assignment 3 due Week 12, 24 October 2014, 4pm; Assignment 4 due Week 14, 7 November 2014, 4pm
	SWOT VAC	No formal assessment is undertaken SWOT VAC
	Examination period	LINK to Assessment Policy: <a href="http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html">http://policy.monash.edu.au/policy-bank/academic/education/assessment/assessment-in-coursework-policy.html</a>

\*Unit Schedule details will be maintained and communicated to you via your learning system.

## Teaching Approach

### Lecture and tutorials or problem classes

This teaching and learning approach provides facilitated learning, practical exploration and peer learning.

## Assessment Summary

In-semester assessment: 100%

Assessment Task	Value	Due Date
Project Plan	30%	Week 4, 22 August, 2014, 4pm
Motion graphics (individual assessment)	20%	Week 6, 5 September, 2014, 4pm

## Unit Schedule

Demonstration of two effects processes (individual assessment)	20%	Week 12, 24 October 2014, 4pm
Major compositing project (group assessment)	30%	Week 14, 7 November 2014, 4pm

# Assessment Requirements

## Assessment Policy

Faculty Policy - Unit Assessment Hurdles

(<http://intranet.monash.edu.au/infotech/resources/staff/edgov/policies/assessment-examinations/assessment-hurdles>)

Academic Integrity - Please see resources and tutorials at

<http://www.monash.edu/library/skills/resources/tutorials/academic-integrity/>

## Assessment Tasks

### Hurdle Requirements

***This unit has a group based assessment component of 60% and an individual component of 40%***

***To pass in this unit a student must obtain:***

- ***40% or more in the individual assessment, and***
- ***40% or more in the group assessment, and***
- ***an overall unit mark of 50% or more.***

***If a student does not achieve 40% or more in the unit group assessment or the unit individual assessment and the total mark for the unit is greater than 50% then a mark of no greater than 49-N will be recorded for the unit.***

### Participation

**Due to the nature of group work in this subject, it is expected that all students will attend 100% of classes. Failure to do so may result in difficulties with passing the unit.**

If you are absent for more than two tutorial sessions you must supply a medical certificate or other appropriate documentation. For applying for special consideration refer to the link provided under 'Extensions and penalties' at the end of this section.

If you are finding problems with this requirement please ensure you speak to your unit adviser as early as possible. It is your responsibility to ensure that you can make this commitment before you embark on this subject.

Please note that attendance at tutorials without any study outside of allocated class times will not be sufficient to complete the work required.

Make sure you have a copy of the project you are working on with you when you attend classes.

### Assessment procedures for a non-performing team member

If the unit assessor, or one or more team members, becomes concerned regarding the contribution of one or more members of a group then the unit assessor will determine, using the project documentation, examination of current work and discussion with the students concerned whether the student or students are making an equitable contribution to the work of the group.



## Assessment Requirements

If it is determined that the student or students are not making an equitable contribution to the work of the group they may be deemed to be a non-performing team member.

In the event of this determination being made the group component of their assessment will be multiplied by a factor of up to 0.5 to arrive at a raw score.

### • Assessment task 1

**Title:**

Project Plan

**Description:**

The aim of this document is to present an accurate picture of the goals and objectives of a project which is to be completed and ready to publish by Week 14.

**Weighting:**

30%

**Criteria for assessment:**

Attention to technical detail (8%)

Originality of concept, theme and outcome (8%)

Scope of project (8%)

Layout, clarity and professionalism of design (6%)

**Due date:**

Week 4, 22 August, 2014, 4pm

**Remarks:**

Full assignment details will be posted on MOODLE

### • Assessment task 2

**Title:**

Motion graphics (individual assessment)

**Description:**

Create an animated motion graphic which demonstrates an understanding of composition, timing, graphic design and audio as it relates to contemporary motion graphics as used in broadcast production.

**Weighting:**

20%

**Criteria for assessment:**

Demonstrated understanding of composition, aesthetics and timing (5%)

Establishment of customer profile and relevant information (5%)

Complexity and originality of effects/techniques and screen elements including sound (5%)

Clarity and complexity of supporting files (ROM content) (5%)

**Due date:**

Week 6, 5 September, 2014, 4pm

**Remarks:**

Full assignment details will be posted on MOODLE

• **Assessment task 3**

**Title:**

Demonstration of two effects processes (individual assessment)

**Description:**

Each student should include a video sequence showing two effects that they have created, breaking down the individual processes involved.

**Weighting:**

20%

**Criteria for assessment:**

Demonstrated mastery of software and processes in constructing solution (10%)

Professionalism and clarity of presentation (10%)

**Due date:**

Week 12, 24 October 2014, 4pm

**Remarks:**

Full assignment details will be posted on MOODLE

• **Assessment task 4**

**Title:**

Major compositing project (group assessment)

**Description:**

Using 3D, compositing and video technologies, create an example which demonstrates skills in compositing and post production.

**Weighting:**

30%

**Criteria for assessment:**

Quality of media elements in final product (5%)

Effectiveness in portraying underlying message/story (5%)

Impact of effect solutions in the finished product (10%)

Integration of effect solutions in the finished product (10%)

**Due date:**

Week 14, 7 November 2014, 4pm

**Remarks:**

Full assignment details will be posted on MOODLE

## Learning resources

Monash Library Unit Reading List (if applicable to the unit)

<http://readinglists.lib.monash.edu/index.html>

Faculty of Information Technology [Style Guide](#)

## Feedback to you

Examination/other end-of-semester assessment feedback may take the form of feedback classes, provision of sample answers or other group feedback after official results have been published. Please check with your lecturer on the feedback provided and take advantage of this prior to requesting individual consultations with staff. If your unit has an examination, you may request to view your

## Assessment Requirements

examination script booklet, see

<http://intranet.monash.edu.au/infotech/resources/students/procedures/request-to-view-exam-scripts.html>

Types of feedback you can expect to receive in this unit are:

- Informal feedback on progress in labs/tutes
- Graded assignments with comments

## Extensions and penalties

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit leader via the in-semester special consideration process: <http://www.monash.edu.au/exams/special-consideration.html>

## Returning assignments

Students can expect assignments to be returned within two weeks of the submission date or after receipt, whichever is later.

## Assignment submission

It is a University requirement

(<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-academic-integrity-managing-pla>

for students to submit an assignment coversheet for each assessment item. Faculty Assignment coversheets can be found at <http://www.infotech.monash.edu.au/resources/student/forms/>. Please check with your Lecturer on the submission method for your assignment coversheet (e.g. attach a file to the online assignment submission, hand-in a hard copy, or use an online quiz). Please note that it is your responsibility to retain copies of your assessments.

## Online submission

If Electronic Submission has been approved for your unit, please submit your work via the learning site for this unit, which you can access via links in the my.monash portal.

## Required Resources

Please check with your lecturer before purchasing any Required Resources. Limited copies of prescribed texts are available for you to borrow in the library, and prescribed software is available in student labs.

Software relating to this subject may be accessed from several of the on-campus student labs.

The main applications used in this subject for audio, video and DVD technologies are in the Macintosh lab B342B and B343 at Caulfield.

The principle editing/authoring software will be the Adobe Master Collection

Software may be:

- purchased at academic price at good software retailers

## Other Information

### Policies

Monash has educational policies, procedures and guidelines, which are designed to ensure that staff and students are aware of the University's academic standards, and to provide advice on how they might uphold them. You can find Monash's Education Policies at:

[www.policy.monash.edu.au/policy-bank/academic/education/index.html](http://www.policy.monash.edu.au/policy-bank/academic/education/index.html)

Key educational policies include:

- Student Academic Integrity Policy and Student Academic Integrity: Managing Plagiarism and Collusion Procedures ;  
<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-academic-integrity-policy.h>
- Assessment in Coursework Programs;  
<http://www.policy.monash.edu/policy-bank/academic/education/assessment/assessment-in-coursework-po>
- Special Consideration;  
<http://www.policy.monash.edu/policy-bank/academic/education/assessment/special-consideration-policy.ht>
- Grading Scale;  
<http://www.policy.monash.edu/policy-bank/academic/education/assessment/grading-scale-policy.html>
- Discipline: Student Policy;  
<http://www.policy.monash.edu/policy-bank/academic/education/conduct/student-discipline-policy.html>
- Academic Calendar and Semesters; <http://www.monash.edu.au/students/dates/>
- Orientation and Transition; <http://intranet.monash.edu.au/infotech/resources/students/orientation/>
- Academic and Administrative Complaints and Grievances Policy;  
<http://www.policy.monash.edu/policy-bank/academic/education/management/complaints-grievance-policy.h>

### Faculty resources and policies

Important student resources including Faculty policies are located at

<http://intranet.monash.edu.au/infotech/resources/students/>

### Graduate Attributes Policy

<http://www.policy.monash.edu/policy-bank/academic/education/management/monash-graduate-attributes-policy.h>

### Student Charter

[www.opq.monash.edu.au/ep/student-charter/monash-university-student-charter.html](http://www.opq.monash.edu.au/ep/student-charter/monash-university-student-charter.html)

### Student services

The University provides many different kinds of support services for you. Contact your tutor if you need advice and see the range of services available at <http://www.monash.edu.au/students>. For Malaysia see <http://www.monash.edu.my/Student-services>, and for South Africa see <http://www.monash.ac.za/current/>.

## Monash University Library

The Monash University Library provides a range of services, resources and programs that enable you to save time and be more effective in your learning and research. Go to [www.lib.monash.edu.au](http://www.lib.monash.edu.au) or the library tab in [my.monash](http://my.monash) portal for more information. At Malaysia, visit the Library and Learning Commons at <http://www.lib.monash.edu.my/>. At South Africa visit <http://www.lib.monash.ac.za/>.

## Disability Liaison Unit

Students who have a disability or medical condition are welcome to contact the Disability Liaison Unit to discuss academic support services. Disability Liaison Officers (DLOs) visit all Victorian campuses on a regular basis.

- Website: <http://www.monash.edu/equity-diversity/disability/index.html>
- Telephone: 03 9905 5704 to book an appointment with a DLO; or contact the Student Advisor, Student Community Services at 03 55146018 at Malaysia
- Email: [dlu@monash.edu](mailto:dlu@monash.edu)
- Drop In: Equity and Diversity Centre, Level 1, Building 55, Clayton Campus, or Student Community Services Department, Level 2, Building 2, Monash University, Malaysia Campus

## Other

### Responsibility for student work

Students should note that they are, at all times, responsible for their work. All relevant material should be backed up on a regular basis to DVD or portable hard disks. The university has DVD burners in the computer labs and blank DVDs may be purchased through the on-campus bookstore. Loss of assignment work due to hardware failure, virus or theft will not be accepted as reasons for late or non-submission of work. Students must hold an exact copy of all work which they submit for assessment, this copy should be held until your final result for the unit is released.