



**MONASH** University  
Information Technology

**FIT2072**  
**Educational multimedia**

**Unit Guide**

**Semester 2, 2014**

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# **FIT2072 Educational multimedia - Semester 2, 2014**

This unit examines the diversity of theoretical and conceptual frameworks which influence current research and production of educational multimedia applications. Topics will include: educational theory and practice, cognition and cognitive development, the differentiation between child and adult learners, catering to differences in the capacity to learn, for example, gifted and disabled learners, creating immersive and interactive learning environments, current debates surrounding e-Learning, and enabling equitable access to learning technologies. Students will be given an overview of issues and techniques for applying information technology to support instruction in educational and training contexts and gain practical experiences in managing a design process involving competing aspects of learning theories, content characteristics, audience needs and software development practices.

## **Mode of Delivery**

Caulfield (Day)

## **Workload Requirements**

Minimum total expected workload equals 12 hours per week comprising:

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

- Two hours of lectures
- One 2-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**

### **Prohibitions**

FIT3033, MMS2701

### **Prerequisites**

FIT1035 or FIT2012

### **Chief Examiner**

Dr Michael Morgan

### **Campus Lecturer**

## **Caulfield**

**Michael Morgan**

### **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**

In order to improve the 2014 delivery of the unit Lectures, Seminar Topics and Tutorials will be updated to reflect current developments in the field of Educational Multimedia.

Sample student feedback from the last time this unit was delivered - Educational Multimedia - FIT2072 - Unit Evaluation Report Semester 2, 2011.

1. The unit enabled me to achieve its learning objectives - Median: 4.83 Mean: 4.75
2. I found the unit to be intellectually stimulating - Median: 4.83 Mean: 4.75
3. The learning resources in this unit supported my studies - Median: 4.83 Mean: 4.75
4. The feedback I received in this unit was useful - Median: 5.00 Mean: 5.00
5. Overall I was satisfied with the quality of this unit - Median: 5.00 Mean: 5.00

Further information on student feedback for this unit can be found at the link below.

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

On successful completion of this unit, students should be able to:

- recognise and describe the diversity of educational theoretical and conceptual frameworks which contribute to the current research on technology assisted learning and to communicate that understanding to their peers via a short presentation to the class;
- apply relevant educational theory to the design of immersive, engaging and interactive technology assisted learning experiences;
- analyse a body of content and the needs of a target audience of learners in order to design appropriate learning experiences;
- create documents relating to the conceptual development of a technology assisted learning environment to ensure quality assurance in production processes; and
- create the content, media and the application required to implement a technology assisted learning environment.

## Unit Schedule

Week	Activities	Assessment
0		No formal assessment or activities are undertaken in week 0
1	Educational Multimedia, Introduction, Assessment and Seminar Topics	Seminar Topic Selection
2	Knowledge, Learning and Pedagogy	
3	Cognitive Architecture, Schema Theory and Cognitive Development	
4	Learning Theories	Assignment 1: Seminar, Seminar Slides and Peer Assessment (20%) Due Friday 3 pm week 4. Seminar delivered and Peer Assessment completed weeks 5 to 11.
5	Micro Lecture - Student Seminars	Assignment 2: Group Design Document (20%) Due Friday 3 pm week 5
6	Micro Lecture - Student Seminars	
7	Micro Lecture - Student Seminars	
8	Micro Lecture - Student Seminars	
9	Micro Lecture - Student Seminars	
10	Micro Lecture - Student Seminars	
11	Micro Lecture - Student Seminars	
12	Review	Assignment 3: Group Interactive Educational Multimedia Application (35%) Due Friday 3 pm week 12.
	SWOT VAC	No formal assessment is undertaken in 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

- **Studio teaching**

Studio teaching is a facilitated active, participatory, peer learning approach.

This will take the form of students designing and developing an educational multimedia application in a group.

- **Problem-based learning**

Students are encouraged to take responsibility for organising and directing their learning with support from their supervisors. This will take the form of students investigating current issues in educational multimedia for learning and reporting the outcome of their investigation to their peers in the form of a seminar. Weeks 1 to 4 and 12 will involve lecturer delivered content. Weeks 5 to

## Unit Schedule

11 will involve student delivered seminars, supplemented with micro lectures. The unit will use the Moodle open source online learning system.

## Assessment Summary

Examination (2 hours): 25%; In-semester assessment: 75%

<b>Assessment Task</b>	<b>Value</b>	<b>Due Date</b>
Assignment 1: Seminar, Seminar Slides and Peer Assessment	20%	Seminar Slides to be submitted by Friday 3 pm week 4. Seminars delivered and Peer Evaluation Sheets completed in weeks 5 to 11.
Assignment 2: Group Design Document	20%	Friday 3 pm week 5
Assignment 3: Group Interactive Educational Multimedia Application	35%	Friday 3 pm week 12
Examination 1	25 %	To be advised

# 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

### Participation

- Attempt all assessment tasks
- It is your responsibility to advise lecturing staff immediately if members in group assessment tasks are not contributing equitably so that appropriate action can be taken.
- If students are not contributing to group assignments equitably their marks for the assessment task may be scaled down by up to 50% to reflect their lack of contribution to the group.

#### • **Assessment task 1**

**Title:**

Assignment 1: Seminar, Seminar Slides and Peer Assessment

**Description:**

A Seminar presentation of a minimum of 15 minutes (15 minutes for 1 person plus 5 minutes for each additional person) and 10 minutes questions. Presented by one, two or three students (depending on student numbers) and delivered to class in lectures in weeks 5 to 11. With presentation slides to be submitted to the lecturer for uploaded to the FIT2072 Moodle site by Friday 3 pm week 4. Seminars will be peer assessed in conjunction with lecturing staff. Each week in the seminars you will be given a Seminar Peer Evaluation sheet for the seminar presentations, which must be completed and handed back at the end of the seminar.

Seminar topics selected from the list provided.

**Weighting:**

20%

**Criteria for assessment:**

Presentation Delivery and Slides Formatting (5)

Content and Research (5)

Relating the topic to educational multimedia and discussion of examples of educational multimedia packages (5)

Peer Evaluation sheets (5 see below)

**Peer Assessment**

All students are expected to attend and contribute to the question time of the seminars.



## Assessment Requirements

Assessment of seminar presentations will be based partly on lecturer assessment and partly on Peer Evaluation sheets completed by all students.

Each week in the seminars you will be given a Seminar Peer Evaluation sheet for the seminar presentations, which must be completed and handed back at the end of the seminar.

These will be used to help determine the grades for the group that is presenting the seminar.

Marks will be awarded as follows:

Complete 80 to 100% of Peer Evaluation sheets = 5 marks

Complete 70 to 79% of Peer Evaluation sheets = 4 marks

Complete 60 to 69% of Peer Evaluation sheets = 3 marks

Complete 50 to 59% of Peer Evaluation sheets = 2 marks

Complete less than 50% of Peer Evaluation sheets = 0 marks

Non-Performing group members ( refer above to Assessment - Task Participation)

**Due date:**

Seminar Slides to be submitted by Friday 3 pm week 4. Seminars delivered and Peer Evaluation Sheets completed in weeks 5 to 11.

**Remarks:**

Seminar topics selected from the list provided or negotiated with the lecturer by Friday 3pm week 2.

### • **Assessment task 2**

**Title:**

Assignment 2: Group Design Document

**Description:**

Presentation by the group of a detailed project plan for an interactive multimedia learning environment and to be targeted at a given instructional methodology.

**Weighting:**

20%

**Criteria for assessment:**

Professional Presentation of Documentation (5)

Completion of Documentation Components (10)

An Interesting and Original Concept (5)

**Due date:**

Friday 3 pm week 5

### • **Assessment task 3**

**Title:**

Assignment 3: Group Interactive Educational Multimedia Application

**Description:**

## Assessment Requirements

Production of a multimedia learning environment for a specific audience and context, that demonstrates; 1) clear instructional objectives, 2) the appropriate formatting and use of media for the presentation of content, 3) an effective instructional strategy that includes interactive elements, and 4) an appropriate assessment strategy.

Your learning environment may target:

- 1) Child learners
- 2) Adult learners
- 3) Workplace learning
- 4) Online/Mobile learning

**Weighting:**

35%

**Criteria for assessment:**

Clear Instructional Objectives (5)

Effective Instructional Strategy (5)

Creativity in Design and Major Interactivity (5)

Appropriate Assessment Strategy and Feedback (5)

Appropriate Formatting, Use of Media and Media Quality (10)

Technical Excellence and Reliability (5)

**Due date:**

Friday 3 pm week 12

## Examinations

• **Examination 1**

**Weighting:**

25 %

**Length:**

2 hours

**Type (open/closed book):**

Closed book

**Electronic devices allowed in the exam:**

None

**Remarks:**

Focusing on educational theory delivered in the lectures and micro-lectures.

## 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 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
- Other: Peer Assessment of Seminar Presentations

## 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 system for this unit, which you can access via links in the my.monash portal.

## 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