

**Dr David HIRST**

Senior Lecturer

Email: d.hirst@latrobe.edu.au

Phone: (03) 9479 5348

Fax: (03) (03) 9479 2996

International: +61 3 9479 5348

**Recent Projects:****Research***A formal qualitative evaluation of academics' participation in collaborative curriculum development projects*

Hirst, D. Adam, D. &amp; Brooks, C.

2006 - present

*The Creation of Effective Learning Designs in Higher Education.*

Hirst, D.

2000 - present.

*New Musical Representations.*

Hirst, D.

2006 - present.

*Digital Tools in the Analysis of Timbrally Based Music*

McLachlan, N. Hirst, D. [University of Melbourne] &amp; Kumar, D. [RMIT University]

2007

*The Development of a Cognitive Framework for the Analysis of Acousmatic Music.*

2002 - 2006.

**Teaching and Learning**

As a Senior Lecturer in Educational Design at the University of Melbourne, David Hirst worked on the following curriculum enhancement projects, as project manager and educational designer, in collaboration with the academic project leaders indicated, and multimedia production staff:

*PRAZE Online Peer Review System.*

Mulder, R. &amp; Pearce, J.

2007

This project facilitates the widespread adoption of electronically managed peer review in diverse subjects across the University. It is a generic version of award-winning, customised software APRES that has already been developed and evaluated for this purpose in a Zoology subject. Implementation of the technology led to dramatic and sustained improvements in student perceptions of feedback and ICT, and we expect that similar improvements will be realised in other subjects in which this approach is implemented

*MUSE*

Hirst, D. & Brooks, C.

2007

A Sakai-based online collaboration environment to support research projects called the Melbourne University Shared Environment.

*Political Campaign*

Young, S.

2004

This project is an on-line simulation of an election campaign in which students role-play as journalists and political advisers. A number of unexpected events occur in the online campaign simulation and there are key assessment tasks to complete online.

*Exceptional Learning*

Munro, J. & Dalheim, B.

2005

This is online courseware and a CD-ROM that helps equip teachers with the knowledge necessary for optimising exceptional learning in the areas of learning difficulty (literacy) and giftedness, by providing them with scenarios of authentic exceptional learning and related teaching procedures "in situ" involving both individual students and groups.

*Multimedia Student Education Support Tools in Engineering Analysis*

Brazil, M. & Thomas, D.

2004

An automated interactive web-based tutorial program to supplement the existing classroom tutorials in mathematics. This provides a structured method for students to develop their analytic skills outside the tutorials and receive instant feedback

*Exposure Therapy*

Cremer, M. & Coman, G.

2004

This kit consists of a booklet, video, and CD-ROM which is designed to assist clinicians with learning 'Exposure Therapy' techniques for patients with post traumatic stress disorder.

*Genetic Epidemiology*

Jenkins, M.

2003

The project is to create a website and online discussion system that supports the teaching of the subject "Genetic Epidemiology", which is one of 16 subjects within the Master of Epidemiology degree

*Lessons in Language Teaching*

Orton, J.

2003

This project produced a CD-ROM that is used in the education of student language teachers. It includes video-recordings of language teaching classroom situations, focus questions, and short pieces of text to accompany the videos.

*Little Kids Can Do*

Clark, T. & Chambers, D.

2003

This project produced a CD-ROM that is used in the education of student teachers in the use of computers in the classroom. It will include a Quicktime VR of a classroom environment which has links to video-recordings of children using computers in the school situation, and short pieces of text accompanying the videos.

*Virtual Retinoscopy Project*

Haymes, S. & Smith, G.

2003

The aim of this project was to create a web-based multimedia unit on retinoscopy using online tutorials and an interactive simulation of a retinoscope (diagnostic optical instrument).

*International Development*

Webber, M. & King, R.

2002

The Master of International Development (by research) is studied via distance education. This project involves the development of a website that supports the coursework subject "Research Method and Design in Development".

*Australian Film Online*

Creed, B. & Hoorn, J.

2002

Australian Film Online is an interactive self-guided tutorial in which students study film language through viewing moving clips from Charles Chauvel's 1955 classic Australian film *Jedda*. It makes use of a new question and submission authoring and delivery system - Quokka

*Physical Development Interactives*

Margetts, K.

2002

This project involves students accessing an online interactive assessment tool environment for the subject, Physical Development. Students complete a set of developmental assessment tasks designed to assess their understanding and application of key concepts related to children's physical development. These activities utilise online video images, online graph drawing interactives, and other multimedia resources.

*The Architectural History Web-Source*

Willis, J. & Hirst, D.

2001

The Beaux-Arts Concours is an interactive self-guided tutorial on architectural composition in which students are asked to compose a building plan and elevation using a visual kit of parts.

*An Introduction to the Early Learning Centre*

Brown, R. Deans, J. & Hirst, D.

2001

This CD-ROM production contains information which outlines aspects of the philosophy and curriculum of the Early Learning Centre. It includes video-recordings, a Quicktime VR of a learning environment and examples of program activities.

*Interaction Between Neurobiological and Psychological Function*

Andrewes, D.

2001

The project was to develop online course materials designed to enhance lectures in psychophysiology and neuropsychology to third year psychology students. It is designed to provide students the opportunity to explore the epistemology of these areas of psychology and gain insight into the relationship between theory and practice through analysis and synthesis of material within the problem solving and case study formats.

*Comparative Animal Nutrition*

Egan, A. &amp; Tharmaraj, J.

2001

A problem-based on-line interactive teaching tool for nutrition was developed structured around a General Animal Model. Supported by tutorials, the student applies concepts and mathematical processes for estimating animal nutrient requirements, assessing the nutritional value of food ingredients and formulating rations.

*Performance Assessment and Reporting Instruction System*

Griffin, P. &amp; Gillis, S.

2001

PARIS is a mixture of an online teaching with classroom and field work projects that allow direct observation assessment to be combined with traditional recording methods. Graduate students can emulate this model in developing, implementing and calibrating assessments such that their data is recorded, analysed and interpreted while working online in a real workplace location.

*Virtual Design Management and Construction Studio*

Robinson, J. Ashford, P. Mills, A. &amp; Francis, V.

2001

The Virtual Design, Management, and Construction Studio focuses on online teaching and learning components in building construction and management, and its links back to architectural design.