

Design and Electronic Publishing 2

A. Course Identification

- **School:** Mathematical & Geospatial Science
- **Campus:** City Campus
- **Course Name:** Design and Electronic Publishing 2
- **Course Code:**
- **Career:** Undergraduate
- **Credit Points:** 12
- **Teacher guided hours (per semester):** 62
- **Learner directed hours (per semester):** 94
- **Duration:** 1 semester
- **Mode of Delivery:**
 - Face-to-Face
- **Professor William Cartwright & Ms Gita Pupedis**
- **Contact Details:**
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B. Course Description

What is this course about?

Course description

The course comprises two components – the theory of Information, Communication & Visualization and Atlas Design & Production.

MODULE 1. Theory of Information, Communication & Visualization

The theory of Information, Communication & Visualization consolidates the theory on cartographic communication and its application to modern-day mapping. The general areas of study in this section of the course are:

- Information
- Information Visualization
- GeoInformation Visualization
- GeoSpatial Information Visualization
- GeoSpatial Knowledge
 - Existing
 - Gleaned

MODULE 2. Atlas Design & Production

The Atlas Design and Production component builds on the atlas project brief and data collection undertaken in Cartography 3. The aim is to produce a professional, well designed, marketable atlas. Concise specifications are produced and thorough edits are undertaken to ensure that this aim is fulfilled.

The emphasis is on the teamwork aspects of map design and production.

C. Objectives / Learning Outcomes

What can I expect to learn by studying this course?

D. Learning Activities

MODULE 1. Theory of Information, Communication & Visualization

Assignment 1 – Essay

Assignment 2 - Seminar organisation, presentation and publication

(Involves the preparation for and the operation of a Seminar. This includes the production of a *PowerPoint* presentation, comprehensive notes, copies of relevant references writing a Technical Paper on the topic and arranging/hosting the Seminar.)

Assignment 3 - Report

MODULE 2. Atlas Design & Production

Major Atlas design input and folio

E. Assessment

How will I demonstrate my learning in this course?

MODULE 1. Theory of Information, Communication & Visualization

Assignment 1 – Essay 10% (Based on presentation I Seminar)

Assignment 2 - Seminar organisation, presentation and publication 5%

(Involves the preparation for and the operation of a Seminar. This includes the production of a *PowerPoint* presentation, comprehensive notes, copies of relevant references writing a Technical Paper on the topic and arranging/hosting the Seminar.)

Assignment 3 – Report: Visualizing Geographies with 'New Mapping' 35%

MODULE 2. Atlas Design & Production

Major Atlas design input and folio 50%

Assessment is based on input into the design process throughout the semester and level of teamwork displayed, together with a folio that is to be submitted in the last week of semester. This folio is a concise presentation of individual's work and outcomes, also containing a diary of your contributions throughout the year and an assessment of the project and subject. Successful completion of the folio is the minimum required for a pass in this course.

Note: To gain a pass in this course all elements must be satisfactorily completed. i.e. a pass or above for each element must be attained.

Course Grades Available

H, D, C, P, N

F. Academic Administration Procedures

What do I do if I need help with deadlines or have become ill?

Immediately contact the Course Co-ordinator.

G. Course Evaluation and Feedback

How can I let you know about my experience of this course?

Provide written comments - email or mail.

H. Academic Misconduct

Plagiarism: the presentation of the work, idea or creation of another person as though it is your own. It is a form of cheating and is a very serious academic offence that may lead to expulsion from the University. Plagiarised material can be drawn from, and presented in, written, graphic and visual form, including electronic data, and oral presentations. Plagiarism occurs when the origin of the material used is not appropriately cited.

Examples of plagiarism include:

- Copying sentences or paragraphs word-for-word from one or more sources, whether published or unpublished, which could include but is not limited to books, journals, reports, theses, websites, conference papers, course notes, etc. without proper citation;
- Closely paraphrasing sentences, paragraphs, ideas or themes without proper citation;
- Piecing together text from one or more sources and adding only linking sentences;
- Copying or submitting whole or parts of computer files without acknowledging their source;
- Copying designs or works of art and submitting them as your original work;
- Copying a whole or any part of another student's work; and
- Submitting work as your own that someone else has done for you.

Enabling Plagiarism: the act of assisting or allowing another person to plagiarise or to copy your own work.

Advice and activities are available to help you cite and quote your sources correctly, and avoid plagiarism. If you have not already done so, we suggest you work through the activities on the RMIT Learning Skills Unit website, <http://aps.eu.rmit.edu.au/lisu/resources/projects/plagiarism/index.html>.

I. Learning Resources

What will I need to access and read for this course?

MODULE 1. Theory of Information, Communication & Visualization

Prescribed References:

Arthur C. Clarke (1948) *The Sentinel*
 Aldous Huxley (1998) *Brave New World*, Harper Collins Publishers, New York
 Gibson William (1984) *Neuromancer*, Harper Collins Publishers, Great Britain

Recommended Readings, viewings

Metropolis

2001 A Space Odyssey

The Matrix

Minority Report

Existenz

Bin Jiang and Ferjan Ormeling, 2000, "Mapping Cyberspace – Visualizing, Analyzing and Exploring Virtual Worlds", *The Cartographic Journal*, Vol. 37 No.2, pp.117-122.

Martin Dodge and Rob Kitchin, 2000, *Mapping Cyberspace*, Routledge, Paperback 0-415-19884-4

Taylor, D. R. F. & MacEachren, A. (eds) 1994, *Visualisation in Modern Cartography*, London: Pergamon Press.

Professional Journals and Conference Proceedings

MODULE 2. Atlas Design & Production

Prescribed References:

Professional Journals and Conference Proceedings as prescribed

J. Student Learning Program

Wk	Activity	Synopsis	Resources
1	<p>Introduction to Module 1hr GP Wednesday 09.30-10.20 12.10.37</p> <p>Outline of proposed project – what has been done to date 2hrs GP Wednesday 11.30-13.20 12.10.37</p> <p>Data collection issues 2hrs GP Friday 11.30-13.20 12.10.37</p>		
2	<p>Design / production 1hrs GP Wednesday 09.30-10.20 12.10.37</p> <p>Design / production 2hrs GP Wednesday 11.30-13.20 12.10.37</p> <p>Design / production 2hrs GP Friday 11.30-13.20 12.10.37</p>		
3	<p>Design / production 1hr GP Wednesday 09.30-10.20 12.10.37</p> <p>Design / production 2hrs GP Wednesday 11.30-13.20 12.10.37</p> <p>Design / production 2hrs GP Friday 11.30-13.20 12.10.37</p>		

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4	<p>Design / production 1hr GP Wednesday 09.30-10.20 12.10.37</p> <p>Design / production 2hrs GP Wednesday 11.30-13.20 12.10.37</p> <p>Design / production 2hrs GP Friday 11.30-13.20 12.10.37</p>		
5	<p>Design / production 1hr GP Wednesday 09.30-10.20 12.10.37</p> <p>Design / production 2hrs GP Wednesday 11.30-13.20 12.10.37</p> <p>Design / production 2hrs GP Friday 11.30-13.20 12.10.37</p>		
6	<p>Editing session 1hr GP Wednesday 09.30-10.20 12.10.37</p> <p>Editing session 2hrs GP Wednesday 11.30-13.20 12.10.37</p> <p>Final corrections 2hrs GP Friday 11.30-13.20 12.10.37</p>		
7	<p>Project Submission 2hrs GP Friday 11.30-13.20 12.10.37</p>		

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Information, Communication and Visualization Module			
7	<p>Introduction to Module 1 Geographies and Depiction 1hr WEC Wednesday 09.30-10.20 12.10.37</p> <p>Place, Fiction and Popular Media 1hr WEC Wednesday 11.30-12.20 12.10.37</p> <p>Brief – Seminars and project 1hr WEC Wednesday 12.30-13.20 12.10.37</p>	<p>Lecture 1: Overview of programme Introductory lecture</p> <p>Lecture 2: Overview about how media has distorted geography</p> <p>Brief : Outline of seminars and project</p>	<p>Cartwright, W. E., 2002, "New Media Visualizations and Visualising Geography", proceedings of <i>the Maps and the Internet Conference</i>, Karlsruhe, Germany: International Cartographic Association Commission on Maps and the Internet, Gartner, G, (ed.), September, pp. 23 – 34</p>
8	<p>Mapping other geographies project brief 1hr WEC 09.30-10.20 12.10.37</p> <p>Mapping other geographies project 2hrs WEC Wednesday 11.30-13.20 12.10.37</p>	<p>Lecture: Cartographic theories and praxis can, and has been applied to mapping Other Geographies. Can Cartographic 'rules' ensure that reality and non-reality are separated?</p> <p>Project: Discussion and development of ideas related to project that focusses on mapping other geographies using non-traditional approaches to mapping</p>	<p>Pettit, C., Cartwright, W.E., More, G. and Burry, M., 2003, "Synthesizing Visual and Acoustic City information for Understanding and Navigation", proceedings of GeoCart2003 National Cartographic Conference, Taupo, New Zealand: New Zealand Cartographic Society.</p> <p>Bin Jiang and Ferjan Ormeling, 2000, "Mapping Cyberspace – Visualizing, Analyzing and Exploring Virtual Worlds", <i>The Cartographic Journal</i>, Vol. 37 No.2, pp.117-122</p>
9	<p>Literature depictions of place and space 1hr WEC Wednesday 09.30-10.20 12.10.37</p> <p>Movie: <i>2001: A Space Odyssey</i> 2hrs WEC Wednesday 11.30-13.20 12.10.37</p> <p>Seminar 1 – Place, Space and Fiction 2hrs WEC Wednesday Friday 11.30-13.20 12.10.37</p>	<p>Lecture: Literature and movies. Depicting the fanciful and projected future realities with book and film.</p> <p>Movie: Literature and movies. Depicting the fanciful and projected future realities with book and film.</p> <p>Seminar: Presentations about how literature has 'painted' different, unreal geographies. As technology has developed, these worlds of fantasy have become real. Study of William Gibson's book <i>Neoromancer</i>.</p>	<p>Arthur C. Clarke. <i>The Sentinel</i>. Arthur C. Clarke. http://www.brainyencyclopedia.com/encyclopedia/a/ar/arthur_c_clarke.html <i>The Sentinel</i> - review. http://www.brothersjudd.com/index.cfm/fuseaction/reviews.detail/book_id/757/</p> <p>Gibson, W., 1985, <i>Neuromancer</i> William Gibson reads <i>Neuromancer</i> http://neuromancer.einen.org/</p> <p>2001: A Space Odyssey. Internet Resource Archive. http://www.palantir.net/2001/ Kubrick 2001. The Space Odyssey Explained. http://www.kubrick2001.com/ 2001: a space odyssey. http://kubrickfilms.warnerbros.com/video_detail/2001/ 2001: a space odyssey. http://www.suntimes.com/ebert/greatmovies/space_odyssey.html Piers Bizony, <i>2001 Filming the Future</i> 2001. http://www.elstree.co.uk/2001.html</p>

9	<p>Film depictions of place and space 1hr WEC Wednesday 09.30-10.20 12.10.37</p> <p>Movie: <i>The Matrix</i> 2hrs WEC Wednesday 11.30-13.20 12.10.37</p> <p>Seminar 2 – Place and Popular Media: Television and Film 2hrs WEC Friday 11.30-13.20 12.10.37</p>	<p>Lecture: How film has developed the concepts of believable worlds. Fanciful worlds, reality and mixed realities.</p> <p>Movie: The use of film to depict the merging of the real world with artificial worlds created by immersive computer environments.</p> <p>Seminar: Film has also created 'Other Worlds'. This seminar looks at movies and the creation of Other Worlds and the fusion of real and non-real.</p>	<p>Good, T., 2000, Simulacra and Simulations. http://www.geocities.com/Hollywood/Heights/6495/simulacra.htm</p> <p>Kerstan, T., 1994, America, Disneyland, or Virtual Reality? Will the real reality please stand up? Available from: http://www.uoregon.edu/~ucurrent/1.1.html</p> <p><i>The Matrix</i> <i>Neuromancer Matrix Web site</i> http://www.virtualmatrix.org/ Matrix movie Web site http://whatisthematrix.warnerbros.com/ General movie site http://www.movie-page.com/1999/Matrix.htm</p>
10	<p>Geography and distortion of 'The View' 1hr WEC Wednesday 09.30-10.20 12.10.37</p> <p>Movie: <i>Minority Report</i> 2hrs WEC Wednesday 11.30-13.20 12.10.37</p> <p>Seminar 3 – 'Other' Geographies 2hrs WEC Friday 11.30-13.20 12.10.37</p>	<p>Lecture: Where to now in cartography and geographic information science? This session will explore the directions that the profession may take and will assemble a hypothetical 'best case' scenario</p> <p>Movie: Set in a future world where information is 'tailored' to individuals. Individuals are 'tracked' and their future actions predicted.</p> <p>Seminar: Is the 'viewpoint' of geography 'distorted' by popular media and New Media? Can naïve observers of geography (observing geography through non-expert tools like multimedia), or novice users of contemporary geographical visualization tools see a distorted view of reality through improper use or misuse of New Media tools.?</p>	<p>Cartwright, W. E.. and Heath, G., 2002, "Geography as Seen from the Window: Findings About Viewpoint-Specific Images of Geography Defined by Tools of Visualization", <i>Cartography</i>, Mapping Sciences Institute, Australia, vol. 31, no. 2, pp. 103 - 117..</p>
11	<p>Games and 'Other Worlds' 1hr WEC Wednesday 09.30-10.20 12.10.37</p> <p>Movie: <i>eXistenZ</i> 2hrs WEC Wednesday 11.30-13.20 12.10.37</p> <p>Seminar 4 – games and other worlds 2hrs WEC Friday 11.30-13.20 12.10.37</p>	<p>Lecture: Games and reality. How games can distort reality.</p> <p>Movie: Games and reality. How games can distort what reality is when viewers / participants become involved in 'the game'.</p> <p>Seminar: review of computer games and how geography is 'manipulated' to make the game 'work'</p>	

12	<p>Mapping Other Geographies 1hr WEC Wednesday 09.30-10.20 12.10.37</p> <p>Project presentations 2hrs WEC Wednesday 11.30-13.20 12.10.37</p>	<p>Lecture: Cartographic theories and praxis can, and has been applied to mapping Other Geographies. Can Cartographic 'rules' ensure that reality and non-reality are separated?</p> <p>Presentations: Presentation to class group, displaying the results of 'non-traditional' approaches to mapping other geographies.</p>	<p>Milgram, Greenwald, Kessler, McKenna and Waters, "A Psychological Map of New York City" Shaw, D. and Cartwright, W.E., 2000, "An investigation into other 'geographies' and their depiction", <i>proceedings of Mapping Sciences 2000</i>, Sydney: Mapping Sciences Institute, Australia. Mapping Cyberspace book review http://www.mappingcyberspace.com/ The Geography of Cyberspace Directory http://www.cybergeography.org/geography_of_cyberspace.html The Atlas of Cyberspace http://www.cybergeography.org/atlas/atlas.html Pettit, C., Cartwright, W.E., More, G. and Burry, M., 2003, "Synthesizing Visual and Acoustic City information for Understanding and Navigation", <i>proceedings of GeoCart2003 National Cartographic Conference</i>, Taupo, New Zealand: New Zealand Cartographic Society. Bin Jiang and Ferjan Ormeling, 2000, "Mapping Cyberspace – Visualizing, Analyzing and Exploring Virtual Worlds", <i>The Cartographic Journal</i>, Vol. 37 No.2, pp.117-122. Bill Cheswick and Hal Burch, 1998, Internet Mapping Project, http://research.lumeta.com/ches/map/index.html</p>
13	<p>Conclusion and summary of programme 1hr WEC Wednesday 09.30-10.20 12.10.37</p>	<p>Lecture: Review of Programme</p>	

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Professor William Cartwright and Ms Gita Pupedis January 23, 2007.

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