



DEPARTMENT OF
ANTHROPOLOGY, GENDER, and SOCIOLOGY

2008 Course Outline

ANTH 309

Special Topic: Interpreting Space and Place: An Introduction to Archaeological GIS

Co-ordinating Lecturer

Edward González-Tennant

Richardson 2N6

Phone: 479 8736

Email: edward.gonzalez-tennant@otago.ac.nz

Office hours: Monday 2.00 – 3.00 pm; Thursday 2.00 – 4.00 pm

Lectures

Monday 10:00 – 10.50 am

Thursday 10:00 – 10.50 am

Blackboard

[https:// blackboard.otago.ac.nz](https://blackboard.otago.ac.nz)

INTRODUCTION AND COURSE DESCRIPTION

Course overview

This course critically engages the anthropology of space and place and the associated role of computer mapping and spatial analysis within archaeology. The course covers theoretical, historical and methodological trends encapsulated within the relatively new rubric of digital archaeology. The course will focus on providing students with a theoretical background in the utility of computer mapping for addressing broadly-conceived anthropological questions. The general outline will pair theoretical readings with archaeological case studies from around the world. The motivation for this approach is to ground students in recent literature and provide the tools to accurately assess the usefulness of specific spatial analysis methods in relation to the various theoretical positions. Some basic archaeological computing instruction will help facilitate students' grasp of the material covered in lectures and laboratories.

From this course it is expected that students shall:

- Dissect theoretical frameworks utilized by archaeologists in spatial analysis
- Cogently discuss the differences of space, place, and landscape in archaeology and the subsequent theoretical hazards of privileging one over the other or any over culture
- The history and trends of using geographical information systems (GIS) in archaeology; including the acquisition and management of data, various spatial analysis methods (surface and subsurface), re-creating past archaeological landscapes virtually, and fully understand what developing trends in 'digital archaeology' entail

Course Website: <http://www.little-yeti.com/anth309/>

Course Contributors

This course is taught by Edward González-Tennant.

Edward González-Tennant is a PhD candidate in anthropology. While trained mainly in the US, he has undertaken work with researchers in New Zealand, Peru, Alaska, Norway and China. His academic focus is divided between investigating identity as expressed archaeologically as well as the methodological focus of geographical information systems. After graduating from the University of Arkansas (BA Hons), which included thirteen months as a visiting Fulbright Scholar at the University of Otago, he completed a MSc at Michigan Technological University and a MA at the University of Florida. His research continues to explore the use of digital archaeology to explore anthropological issues.

Classes

Lectures: There are 26 numbered lectures of fifty minutes duration, representing the 13 weeks of semester 2 (allowing for the mid-semester break). Lectures begin in week 28 of the year, which is the first week of Semester 2 (7-11 July). There are two scheduled lecture times per week. The lectures themselves will focus on the required readings with approximately 5-10 minutes at the end reserved for a few brief comments on the recommended readings. **While the reading list may seem daunting, many of them are short and we will discuss each one in class.**

Readings: Required and recommended readings will be available either on course reserve or electronically (or both). **Students are only responsible for reading the required texts, other readings labelled recommended are supplied for students to explore topics only if they wish.**

Laboratories: there are no laboratories for this paper.

Class/laboratory handouts and Blackboard: Selected lecture notes, additional readings and laboratory/practical instructions will be posted on *Blackboard*, the instructor's course website, or distributed as class handouts.

Internal Assessment

<i>Essay</i>	1	25%
<i>Projects</i>	4	40%

Essay: Students will choose a topic and write a final essay due at noon, Friday 3 October. The essay will be approximately 4,000 words. This assignment will actually be spread out over the term as students will also create annotated bibliographies in preparation. Students are encouraged to begin with the recommended readings as source material for research topics.

Possible topics include, but are not limited to:

Theory in Archaeology and its Relation to GIS

Summarizing a Specific Method in Archaeological GIS (with a global perspective)

The Intersections between Landscape and Digital Archaeology

Essay topics must be decided upon before the mid-semester break.

Annotated bibliographies are due no later than 18 September. The annotated bibliography will take the form of 15 pieces of literature. These 15 must include no more than 5 required readings and 5 recommended readings. In other words, students are expected to familiarize themselves with AT LEAST five sources not specifically listed in this course outline. The instructor will provide a handout prior to the mid-semester break about annotated bibliography formats.

Projects: Four projects will be assigned and completed by students throughout the semester. These projects are designed to get students thinking about archaeological practice and its relationship to various digital technologies as well as theoretical paradigms. It is expected that any one project will require less than five hours of out-of-class time, for a semester total of less than twenty hours of student's time. Also, several of the projects are fun, you get to talk about the world around you and your opinion matters!

Project One – Is there a Difference between the Social and 'Hard' Sciences. Students will ask four individuals to fill out a short questionnaire about two similar objects (two from a humanities departments and two from a sciences department). These questionnaires will be provided by the instructor on 14 July and will be due no later than 28 July.

Project Two – Students will select a place in Dunedin that is meaningful to either themselves or others and analyse it based on the theoretical perspectives within landscape archaeology (e.g., as a site of power, as a site of memory, as a site of social order, as a site of identity). A short (3-5 page) report will be due no later than 14 August.

Project Three – a take home assignment about predictive site modelling. As the most written about aspect of Archaeological GIS, students will be given an assignment asking them to visually select the most suitable areas of a grid based on pre-defined variable limits (e.g., slope, soil type, distance to water). Students will have one week to complete the assignment and turn it in no later than 25 September.

Project Four – The Benefits and Dangers of Electronic Publication of Archaeological Material. Students will select an online (internet-based) archaeological report/webpage. This can be an official park's web presence, and archaeological blog, or anything else that uses the

internet to disseminate archaeological knowledge. The student will write a short (3-5 page) critical review of the website discussing whether they think the publication of the specific data in question is beneficial, harmful or meaningless. This is an opinion paper; I want to know what you honestly think as a consumer of archaeological knowledge (and hopefully an eventual producer).

Final Exam

The final exam is 2 hours. It is worth 35% of your final (total) mark for the course.

There are **two** sections. Section A includes 20 multiple-choice questions drawn from the course. These are each worth 1%, so that this section represents 20% of your final grade **in total**. Section B requires you to choose **one** essay topic only (among a number of essay options). The essay is worth 15% of the final grade.

A review sheet will be provided by the instructor on the last day of lectures. It will contain more information than will be on the test (including all possible essay topics). If you study and know the review sheet, you will definitely know what is on the final exam. The review sheet will also list four possible essay questions, three of which will be on the final, one of which you will select as the essay portion of the final exam.

Assessment summary

<i>Essay</i>	<i>1</i>	<i>25%</i>
<i>In-class Exams</i>	<i>4</i>	<i>40%</i>
<i>Final exam 2 hrs</i>	<i>1</i>	<i>35%</i>

Workload

This paper is worth 18 points.

To achieve a good result in ANTH 309, it is suggested that your total workload should be around 180 hours, including lecture preparation and attendance, study time, and out-of-class project work. During the semester most people should average around 8 hours work on ANTH 309 per week (*including* lecture attendance).

A workload breakdown is provided below as a general guide only.

<i>Lectures:</i>	26 hours
<i>Class preparation:</i>	<60 hours (i.e. about 2 hours for each of Lectures 1-26)
<i>Internal assessment:</i>	<60 hours

Exam preparation: <30 hours
Final exam: ≤2 hours

Notices and Questions

Course notices will be posted electronically on *Blackboard*, and/or on the Department of Anthropology Notice Board at Richardson (formerly Hocken) Building, Second Floor lift foyer, and/or on the instructor's website for this course (<http://www.little-yeti.com/anth309/>). Please check either *Blackboard* or the instructor's website regularly. Questions regarding administrative matters should be directed to the Department of Anthropology Office, Richardson Second Floor.

Department of Anthropology Office: Phone 479-8751.

TEXTBOOKS AND OTHER REFERENCES

Core Texts

Core texts will be on reserve in the Central Library. Students are expected to familiarize themselves with either the Chang or Schuurman book. The Chang book is for students interested in practical GIS skills while the Schuurman text is more abstract.

Ashmore, Wendy and A. Bernard Knapp. *Archaeologies of Landscape: Contemporary Perspectives*. London: Blackwell Publishers.

Chang, Kang-tsung. *Introduction to Geographic Information Systems* (with data CD-ROM). McGraw-Hill Publishers. [third or fourth edition]

Evans, Thomas L. and Patrick Daly. *Digital Archaeology: Bridging Method and Theory*. London: Routledge Publishing.

Schuurman, Nadine. *GIS: A Short Introduction*. Oxford: Blackwell.

Wheatley, David and Mark Gillings. *Spatial Technology and Archaeology: The Archaeological Applications of GIS*. London: Taylor & Francis.

Required References

Students are responsible for all required readings. These readings as well as the book above will be on course reserve or E-Reserve.

- Backhouse, Paul
2006 Drowning in Data? Digital Data in a British Contracting Unit. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 50-58. London: Routledge.
- Baines, Andres and Kenneth Brophy
2006 What's Another Word for Thesaurus? Data Standards and Classifying the Past. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 236-250. London: Routledge.
- Barnes, Gina L.
1999 Buddhist Landscapes in East Asia. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 101-123. Oxford: Blackwell.
- Barrett, John C.
1987 Contextual Archaeology. *Antiquity* 61:468-473.
- Barrett, John C.
1999 The Mythical Landscapes of the British Iron Age. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 253-268. Oxford: Blackwell.
- Bernardini, Wesley
2004 Hopwell Geometric Earthworks: A Case Study in the Referential and Experiential Meaning of Monuments. *Journal of Anthropological Archaeology* 23:331-356.
- Binford, Lewis R., and Jeremy A. Sabloff [D]
1982 Paradigms, Systematics, and Archaeology. *Journal of Anthropological Research* 38(2):137-153.
- Bosqued, Concepción Blasco, Javier Baena Preysler, and Javier Expiago
1996 The Role of GIS in the Management of Archaeological Data: An Example of Application for the Spanish Administration. In *Anthropology, Space, and Geographic Information Systems*, pp. 190-201. Oxford, Oxford University Press.
- Bradley, Matt
2006 Archaeological Survey in a Digital World. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 35-49. London: Routledge.
- Brady, James E. and Wendy Ashmore
1999 Mountains, Caves, Water: Ideational Landscapes of the Ancient Maya. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 124-148. Oxford: Blackwell.
- Buikstra, Jane E. and Douglas K. Charles
1999 Centering the Ancestors: Cemeteries, Mounds, and Sacred Landscapes of the Ancient North American Midcontinent. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 201-228. Oxford: Blackwell.
- Casey, Edward S.
1996 How to Get from Space to Place in a Fairly Short Stretch of Time: Phenomenological Prolegomena. In *Senses of Place*, ed. Steven Feld and Keith H. Basso, pp. 13-52. Sante Fe, New Mexico: SAR Press.
- Constantinidis
2003 The Interconnectivity of Cultural Sites: Sights and Sounds across a Landscape. In *Computer Applications in Archaeology*. Available from instructor as PDF.
- Crumley, Carole L.
1999 Sacred Landscapes: Constructed and Conceptualized. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 269-276. Oxford: Blackwell.
- de Certeau, Michel.

- 1993 Walking in the City. In *The Cultural Studies Reader*, ed. Simon During, pp. 126-33. London: Routledge.
- Dobres, Marcia-Anne, and John E. Robb
- 2000 Agency in Archaeology: Paradigm or Platitude? In *Agency in Archaeology*, ed. by Marcia-Anne Dobres and John E. Robb, pp. 3-17. London: Routledge.
- Earl, Graeme P.
- 2006 At the Edges of the Lens: Photography, Graphical Construction and Cinematography. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 191-210. London: Routledge.
- Ebert, David
- 2004 Applications of Archaeological GIS. *Canadian Journal of Archaeology*, 28(2): 319-341.
- Evans, Thomas L. and Patrick Daly
- 2006 *Digital Archaeology: Bridging Method and Theory*. London: Routledge.
- Fabian, Johannes
- 1983 *Time and the Other: How Anthropology Makes Its Object*. New York: Columbia University Press. Chap. 1: Time and the Emerging Other, pp. 1-35.
- Fisher, Peter F.
- 1999 Geographical Information Systems: Today and Tomorrow? In Gillings, M., Mattingly, D., and van Dalen, J. (eds.), *Geographical Information Systems and Landscape Archaeology*, Oxbow Books, Park End Place, Oxford, pp. 5-12.
- Flannery, Kent V.
- 1967 Culture History versus Cultural Process: A Debate in American Archaeology. *Scientific American* 217:119-122.
- Flannery, Kent V. and Joyce Marcus.
- 1998 Cognitive Archaeology. In *Reader in Archaeological Theory: Post-Processual and Cognitive Approaches*, ed. David S. Whitley, pp. 35-48. London: Routledge.
- Foucault, Michel.
- 1993 Space, Power and Knowledge. In *The Cultural Studies Reader*, ed. Simon During, pp. 134-41. London: Routledge.
- Friedman, Jonathan [D]
- 1974 Marxism, Structuralism and Vulgar Materialism. *Man* n.s. 9:444-469.
- Gaffney, Vincent, Zoran Stancic and Helen Watson
- 1996 Moving from Catchments to Cognition: Tentative Steps Toward a Larger Archaeological Context for GIS. In *Anthropology, Space, and Geographic Information Systems*, ed Mark Aldenderfer and Herbert D. G. Maschner, pp. 132-154. Oxford: Oxford University Press.
- Gearey, Benjamin R. and Henry P. Chapman
- 2006 'Digital Gardening': An Approach to Simulating Elements of Palaeovegetation and Some Implications for the Interpretation of Prehistoric Sites and Landscapes. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 171-190. London: Routledge.
- Gonzalez-Tennant, Edward and Diana Gonzalez-Tennant
- 2008 Using GIS to Document and Manage Heritage Resources at Kingsley Plantation, Ft. George Island, Florida. Poster presented at the 2008 Society for Historic Archaeology meetings in Albuquerque, NM, USA. [available online at www.little-yeti.com/Kingsley/index.shtml]

- Guba, Egon C.
1990 The Alternative Paradigm Dialog. In *The Paradigm Dialog*, ed. by Egon C. Guba, pp. 17-27. Newbury Park, CA: Sage Publications.
- Hamilton, Sue and Ruth Whitehouse
2005 Phenomenology in Practice: Towards a Methodology for a 'Subjective' Approach. *European Journal of Archaeology* 9(1):31-71.
- Hegmon, Michelle
2003 Setting Theoretical Egos Aside: Issues and Theory in North American Archaeology. *American Antiquity* 68:213-243.
- Ingold, Tim
1993 The Temporality of the Landscape. *World Archaeology* 25(2):152-174.
- Knapp, A. Bernard
1996 Archaeology Without Gravity: Postmodernism and the Past. *Journal of Archaeological Method and Theory* 3(2):127-158.
- Kvamme, Kenneth L.
1999 Recent Directions and Developments in Geographical Information Systems. *Journal of Archaeological Research*, 7(2): 153-202.
- Kvamme, Kenneth L.
2006 There and Back Again: Revisiting Archaeological Location Modelling. In *GIS and Archaeological Site Location Modeling*, ed. Mark W. Mehrer and Konnie L. Wescott, pp. 3-40.
- Lemaire, T.
1997 Archaeology Between the Invention and Destruction of the Landscape. *Archaeological Dialogues* 4:5-21.
- Leone, Mark P.
1998 Symbolic, Structural, and Critical Archaeology. In *Reader in Archaeological Theory: Post-Processual and Cognitive Approaches*, ed. David S. Whitley, pp. 49-68. London: Routledge.
- Kealhofer, Lisa
1999 Creating Social Identity in the Landscape: Tidewater, Virginia, 1600-1750, pp. 58-82. Oxford: Blackwell.
- Knapp, A. Bernard and Wendy Ashmore
1999 Archaeological Landscapes: Constructed, Conceptualized, Ideational. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 1-32. Oxford: Blackwell.
- Llobera, Marcos
2006 What You See is What You Get? Visualscapes, Visual Genesis and Hierarchy. In *Digital Archaeology: Bridging Method and Theory*, ed.. Thomas L. Evans and Patrick Daly, pp. 148-165. London: Routledge.
- Lock, Gary
2006 Computers, Learning and Teaching in Archaeology: Life Past and Present on the Screen. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 226-235. London: Routledge.
- Low, Setha A. and Denise Lawrence-Zúñiga
2003 Locating Culture. In *the anthropology of space and place: locating culture*, ed. Setha M. Low and Denise Lawrence Zúñiga, pp. 1-48. Oxford: Blackwell.
- Lyman, R. Lee, and Michael J. O'Brien [D]
2001 The Direct Historical Approach, Analogical Reasoning, and Theory in Americanist Archaeology. *Journal of Archaeological Method and Theory* 8(4):303-342.
- Maschner, Herbert D. G.

- 1996 The Politics of Settlement Choice on the Northwest Coast: Cognition, GIS, and Coastal Landscapes. In *Anthropology, Space, and Geographic Information Systems*, ed Mark Aldenderfer and Herbert D. G. Maschner, pp. 175-189. Oxford: Oxford University Press.
- Meskill, Lyn
- 1998 An Archaeology of Social Relations in an Egyptian Village. *Journal of Archaeological Method and Theory*, 5:209-243.
- Mrozowski, Stephen A.
- 1991 Landscapes of Inequality. In *The Archaeology of Inequality*, ed. Randall H. McGuire and Robert Paynter, pp. 79-101. Oxford: Blackwell.
- Peterson, Christian E. and Robert D. Drennan
- 2005 Communities, Settlements, Sites, and Surveys: Regional-Scale Analysis of Prehistoric Human Interaction. *American Antiquity*, 70(1):5-30.
- Potts, Richard, Tom Torstad and Daniel Cole
- 1996 The Role of GIS in the Interdisciplinary Investigations at Olorgesailie, Kenya, a Pleistocene Archaeological Locality. In *Anthropology, Space, and Geographic Information Systems*, ed Mark Aldenderfer and Herbert D. G. Maschner, pp. 202-213. Oxford: Oxford University Press.
- Richards, Janet E.
- 1999 Conceptual Landscapes in the Egyptian Nile Valley. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 83-100. Oxford: Blackwell.
- Richards, Julian D.
- 2006 Electronic Publication in Archaeology. In *Digital Archaeology: Bridging Method and Theory*, ed. Thomas L. Evans and Patrick Daly, pp. 213-225. London: Routledge.
- Schmidt, Peter R.
- 1983 An Alternative to a Strictly Materialist Perspective: A Review of Historical Archaeology, Ethnoarchaeology, and Symbolic Approaches in African Archaeology. *American Antiquity* 48: 62-79.
- Schmidt, Peter R.
- 2006 Historical Archaeology in Africa: Representation, Social Memory, and Oral Traditions. Sante Fe, New Mexico: AltaMira Press.
- Shanks, Michael and Ian Hodder
- 1998 Processual, Postprocessual and Interpretive Archaeologies. In *Reader in Archaeological Theory: Post-Processual and Cognitive Approaches*, ed. David S. Whitley, pp. 69-98. London: Routledge.
- Shimizu, Eihan and Takashi Fuse
- 2006 A Method for Visualizing the Landscapes of Old-Time Cities Using GIS. In *GIS-Based Studies in the Humanities and Social Sciences*, ed. Atsuyuki Okabe, pp. 265-278. Boca Rotan, Florida, USA: CRC Press.
- Snead, James E. and Robert W. Preucel
- 1999 The Ideology of Settlement: Ancestral Keres Landscapes in the Northern Rio Grande. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 169-200. Oxford: Blackwell.
- Tacon, Paul S. C.
- 1999 Identifying Ancient Sacred Landscapes in Australia: From Physical to Social. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 33-57. Oxford: Blackwell.
- Thomas, Julian
- 200 Introduction: The Polarities of Post-Processual Archaeology. In *Interpretive Archaeology: A Reader*, ed. Julian Thomas, pp. 1-20. London: Leicester University Press.

- Thomas, Julian.
2001 *Archaeologies of Place and Landscape*. In *Archaeological Theory Today*, ed. Ian Hodder, pp. 165-86. Malden, MA: Polity, 2001.
- van de Guchte, Maarten
1999 *The Inca Cognition of Landscape: Archaeology, Ethnohistory, and the Aesthetic of Alterity*. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 169-168. Oxford: Blackwell.
- van Dommelen, Pete
1999 *Exploring Everyday Places and Cosmologies*. In *Archaeologies of Landscape: Contemporary Perspectives*, ed. Wendy Ashmore and A. Bernard Knapp, pp. 277-285. Oxford: Blackwell.
- van Leusen, Martijn
2003 *Visibility of Landscape: An Exploration of GIS Modelling Techniques*. In *Computer Applications in Archaeology (2003)*. Available from the instructor as PDF.
- Wheatley, David and Mark Gillings
2002 *Spatial Technology and Archaeology: The Archaeological Applications of GIS*. London: Taylor and Francis.
- Wylie, Alison
2002 "Heavily Decomposing Red Herrings": Middle Ground in the Anti-/Postprocessualism Wars. In *Thinking from Things: Essays in the Philosophy of Archaeology*, pp. 171-178. Berkeley: University of California Press.

Supplementary References

These texts are available in the library and perhaps on course reserve. Students are not responsible for these readings.

- Barrett, John C.
2001 *Agency, The Duality of Structure, and the Problem of the Archaeological Record*. In *Archaeological Theory Today*, ed. by Ian Hodder, pp. 141-164. Cambridge: Polity Press.
- Bruck, Joanna
2005 *Experience the Past? The Development of a Phenomenological Archaeology in British Prehistory*. *Archaeological Dialogues* 12(1):45-72.
- Conolly, James and Mark Lake
2006 *Geographical Information Systems in Archaeology*. Cambridge: Cambridge University Press.
- Green, Roger C.
2000 *Trigger's Holistic Archaeology and Pacific Culture History*. In *The Entangled Past: Integrating History and Archaeology*, ed. by M. Boyd, J. C. Erwin, and M. Hendrickson, pp. 127-137. Alberta: The Archaeological Association of the University of Calgary.
- Hirsch, Eric
1995 *Introduction: Landscape: Between Place and Space*. In *The Anthropology of Landscape: Perspectives on Place and Space*, ed. Eric Hirsch and Michael O'Hanlon, pp. 1-30. Oxford: Oxford University Press.
- Hodder, Ian
1991 *Interpretive Archaeology and Its Role*. *American Antiquity* 56(1):7-18.

- Kohl, Philip L.
 1985 Symbolic, Cognitive Archaeology: A New Loss of Innocence. *Dialectical Anthropology* 9:105-117.
- Kvamme, Kenneth L.
 2003 Geophysical Surveys as Landscape Archaeology. *American Antiquity* 68(3):435-457.
- Layton, Robert and Peter J. Ucko
 1999 Introduction: Gazing on the Landscape and Encountering the Environment. In *The Archaeology and Anthropology of Landscape: Shaping Your Landscape*, ed. Peter J. Ucko and Robert Layton, pp. 1-20. London: Routledge.
- Leone, Mark P., Parker B. Potter, Jr., and Paul A. Shackel
 1987 Toward a Critical Archaeology. *Current Anthropology* 28(3):283-302.
- Llobera, Marcos
 1996 Exploring the Topography of Mind: GIS, Social Space and Archaeology. *Antiquity* 70:612-622.
- Tarlow, Sarah
 2000 Landscapes of Memory in the Nineteenth-Century Garden Cemetery. *European Journal of Archaeology* 3(2):217-239.
- Tennant, Edward W.
 2007 A Sample Geodatabase Structure for Managing Archaeological Data and Resources with ArcGIS. *Technical Briefs in Historical Archaeology* 2:12-23.
- Tilley, Christopher
 1989 Interpreting Material Culture. In *The Meanings of Things: Material Culture and Symbolic Expression*, ed. by Ian Hodder, pp. 185-194. London: Unwin Hyman
- Trigger, Bruce
 2006 A History of Archaeological Thought (Second Edition). Cambridge: Cambridge University Press.

- **Timetable (by numbered weeks of the year, beginning week 28)**

		Lectures
28	07 July	1. Intro and Theory I
	10 July	2. Theory in Arch II
29	14 July	3. Theory in Arch III
	17 July	4. Theory in Arch IV
30	21 July	5. Space, Place and Landscape
	24 July	6. Space, Place and Landscape
31	28 July	7. Space, Place and Landscape
	31 July	8. Space, Place and Landscape
32	04 August	9. Space, Place and Landscape
	07 August	10. Space, Place and Landscape
33	11 August	11. Fundamentals of GIS
	14 August	12. Fundamentals of GIS
34	18 August	13. GIS and Archaeology
	21 August	14. GIS and Archaeology
35		Semester Break No Classes
36	01 September	15. Data Management – General
	04 September	16. Data Management – CRM
37	08 September	17. Visibility & Catchments
	11 September	18. Visibility & Catchments
38	15 September	19. Predictive Modelling
	18 September	20. Predictive Modelling
39	22 September	21. Publication and Presentation
	25 September	22. Publication and Presentation
40	29 September	23. Virtual Worlds
	02 October	24. Virtual Worlds
41	06 October	25. Course Review
	09 October	26. Exam Review

Lecture details and readings

All **Required** readings are on reserve at the Central Library or on call at the Hocken Library. Supplementary readings provide more background information (especially for exam study or essays). For general lecture preparation these may be skipped. Required readings should be read before each lecture.

Lecture 1: 7 July

Theory: Terminology, Culture History and Time

Required:

Flannery 1967
Fabian 1983
Guba 1990
Lyman and O'Brien 2001

Supplementary:

Green 2000
Trigger 2006: Chapter 6

Lecture 2: 10 July

Processual, Cognitive & Marxist Archaeologies

Required:

Freidman 1974
Binford and Sabloff 1982
Flannery & Marcus 1998
Leone 1998

Supplementary:

Kohl 1985
Leone, Potter and Shackel 1987
Trigger 2006: Chapters 8 and 10

Lecture 3: 14 July

Post-Processual/Interpretive Archaeology

Required:

Barrett 1987
Shanks & Hodder 1998
Thomas 2000
Hamilton and Whitehouse 2006

Supplementary:

Tilley 1989
Hodder 1991
Bruck 2005
Trigger 2006: Chapters 8 and 10

Lecture 4: 17 July

Postmodernism, Agency & Processual-Plus

Required:

Knapp 1996
Dobres and Robb 2000
Wylie 2002
Hegmon 2003

Supplementary:

Barrett 2001
Trigger 2006: Chapter 10

Lecture 5: 21 July

Introduction to Space, Place & Landscape

Required:

Knapp and Ashmore 1999
Casey 1996
Thomas 2001
Low and Lawrence-Zúñiga 2003

Supplementary:

Hirsch 1995
Layton and Ucko 1999

Lecture 6: 24 July

Space, Place & Landscape: Power

Required:

Mrozowski 1991
Foucault 1993
Bender 1999
Kealhofer 1999

Lecture 7: 28 July

Space, Place & Landscape: Memory

Required:

Barrett 1999
Brady and Ashmore 1999
Tacon 1999
van de Guchte 1999

Supplementary:

Tarlow 2000

Lecture 8: 31 July

Space, Place & Landscape: Identity

Required:

Lemaire 1997
Barnes 1999
Snead and Preucel 1999

Lecture 9: 4 August

Space, Place & Landscape: Social Order

Required:

Schmidt 1983
Buikstra and Charles 1999
Meskell 1998
Kealhofer 1999

Lecture 10: 7 August

Space, Place & Landscape: Transformation

Required:

Ingold 1993
Richards 1999
Schmidt 2006; Chapter Five - *Tropes, Space, and Historical Archaeology*

Lecture 11: 11 August

Fundamentals of GIS I

Required:

Schuurman or Chang (student's choice); Skim

Lecture 12: 7 August

Fundamentals of GIS II

Required:

Schuurman or Chang (student's choice); Skim

Lecture 13: 18 August

Introduction to Archaeological GIS

Required:

Fisher 1999
Kvamme 1999
Ebert 2004

Lecture 14: 21 August

Recent Trends in Archaeological GIS

Required:

Wheatley and Gillings 2002; Chapter 1 – Archaeology, Space and GIS
Daly and Evans 2006
Zubrow 2006

Supplementary:

Conolly and Lake 2006; Chapters 1 and 8

Lecture 15: 01 September

Data Management – Data Models

Required:

Wheatley and Gillings 2002; Chapters Two and Three
Backhouse 2006

Supplementary:

Bradley 2006

Conolly and Lake 2006; Chapter 4 – The Geodatabase
Tennant 2007

Lecture 16: 04 September **Data Management - CRM**

Required:

Bosqued, Preysler, and Expiago 1996
Wheatley and Gillings 2002; Chapter 11
Arctur and Zeiler 2004; Chapter 1 – Geodatabase Design

Supplementary:

Conolly and Lake 2006; Chapter 3 – Putting GIS to Work in Archaeology

Lecture 17: 8 September **(inter)Visibility & Catchment Analysis**

Required:

Wheatley and Gillings 2002: Chapters 7 and 10
Van Leusen 2003

Supplementary:

Conolly and Lake 2006: Chapters 10 and 11

Lecture 18: 11 September **(inter)Visibility & Catchment Analysis – Case Studies**

Required:

Gaffney, Stancic and Watson 1996
Maschner 1996
Bernardini 2004
Llobera 2006

Supplementary:

Llobera 1996
Conolly and Lake 2006: Chapters 10 and 11

Lecture 19: 15 September **Predictive Modelling and Simulation**

Required:

Wheatley and Gillings 2002: Chapter 8
Kvamme 2006

Supplementary:

Conolly and Lake 2006: Chapter 8 (review section on predictive modelling)

Lecture 20: 18 September **Predictive Modelling and Simulation – Case Studies**

Required:

Potts, Torstad and Cole 1996
Peterson and Drennan 2005
Gearey and Chapman 2006

Supplementary:

Kvamme 2003

Lecture 21: 22 September

Publication and Dissemination of Archaeological GIS

Required:

Lock 2006

Richards 2006

Supplementary:

Conolly and Lake 2006: Chapter 12

Lecture 22: 25 September

Publication and Dissemination of Archaeological GIS

Required:

Baines and Brophy 2006

Lecture 23: 29 September

Virtual Worlds

Required:

de Certeau 1993

Wheatley and Gillings 2002: Chapter 12

Shimizu and Fuse 2006

Supplementary:

PDF and internet readings available on instructor's website

Lecture 24: 02 October

Virtual Worlds

Required:

Earl 2006

González-Tennant and González-Tennant 2008

Supplementary:

PDF and internet readings available on instructor's website

Lecture 25: 06 October

Course Review

Required:

Crumley 1999

van Dommelen 1999

Evans and Daly 2006: Conclusion and Afterword

Lecture 26: 09 October

Exam Review

No readings

DEPARTMENT OF ANTHROPOLOGY GUIDELINES FOR ESSAY WRITING

LAYOUT

- Essays should be accompanied by a cover page. The cover page may be downloaded from Blackboard or from our website under “Quick Links” at <http://www.otago.ac.nz/anthropology/courses/index.html>
- Use A4 paper and leave adequate margins for comments (4 cm on the left and 2 cm on the right hand side). Alternatively, you may double-space text.
- Your essay should be typed. Please see the Course Coordinator if this is a problem.

DOCUMENTATION

Anything that is included in your essay that is not your own original work **MUST** be acknowledged. This includes facts, theories, suppositions, interpretations, statements and direct quotes.

You are to use the Harvard system of referencing in conformity with the academic archaeological literature style (see examples in bibliography). Every time you use an idea that is not your own or refer to or quote a text you must give the source. This is done by inserting an abbreviated reference in the text (not a footnote) followed by the full reference at the end of the essay. Even if you put another person’s ideas in your own words (paraphrasing), you must acknowledge the source. A quote should also appear in quote marks. If related information and ideas have been collected from a number of sources, they may be summarised together and then acknowledged at the end of the paragraph.

EXAMPLES

IN TEXT CITATIONS:

Carrithers criticises the work of both Benedict and Radcliffe-Brown for treating cultures as isolated objects of study “cut off from their historical setting” (Carrithers 1992:19).

Accuracy is critical in the dating of prehistoric material (Fagan 1995:11, Gibbons 1994: 1087).

REFERENCE LIST AT THE END OF THE ESSAY:

All the references you consult or quote from should be listed in alphabetical order at the end of your essay.

Journal Article Example:

Gibbons, A. 1994. "Rewriting - and redating - prehistory." *Science* 263: 1087-1088.

Book Example:

Fagan, B.M. 1995. *People of the Earth. An Introduction to World Prehistory*. New York: Harper Collins College Publishers.

Chapter Example:

Naidu, V. 1992. "Social Change and the Survival of Neo Tradition in Fiji." In A. Robillard (ed.), *Social Change in the Pacific Islands*, pp. 50-71. London: Kegan Paul International Ltd.

Web Examples:

The American Dietetic Association (Copyright 1996-1999) *Position of the American Dietetic Association: use of nutritive and non-nutritive sweeteners.* @ <http://www.eatright.org/>
(homepage of the American Dietetic Association)
Accessed: 16/05/00
Last Site Update: 15/05/00

Various (no date) *Aspartame your sweetener could be killing you* @ <http://www.newage.com.au/library/aspartame.html> (The Library of New Age On-Line Australia website)

Accessed: 17/05/00

Last Site Update: Copyright 1996, 97, 98, 99, 2000

Department of Anthropology Internal Assessment Policy

Dates for internal assessment are included in the course outline for each paper. Except for in-class tests all internal assessment work must be placed in the assignment collection box located in the foyer outside the department office (2nd floor, Richardson Building).

The assignment collection box is cleared daily at 12 noon and all work is date stamped and forwarded to markers - please do not hand work directly to lecturers or tutors.

The cover page may be downloaded from Blackboard or from our website under "Quick Links" at <http://www.otago.ac.nz/anthropology/courses/index.html>

Policy on Extensions

Requests for extensions/consideration for impairment/absences

Obtain an Extension Request Form from either Blackboard or the Anthropology office before the due date. Complete the form. Attach a letter, and medical certificate if applicable, explaining reasons for request. Submit this form to the Anthropology office or the Course Coordinator before the due date. These forms will be considered by the Course Coordinator.

You will be emailed advice as to whether your extension has been granted or not.

Please attach copy of the acceptance to your assignment.

If there is no official notice of acceptance of your request attached to your assignment then you will have marks deducted in accordance with the Anthropology department's internal assessment policy.

Requests for extensions/impairments/absences will only be granted in the following circumstances:

- **illness** when supported by a Medical Certificate, (note - this must be a medical certificate completed and signed by a GP, Specialist or Counsellor, not a "self-declaration" form);
- **bereavement** of close friends or family member, (confirmed by letter from family member or death notice);
- **selection** to represent country in a cultural or sporting event, (confirmed in writing);
- **special circumstance** not covered by above e.g. jury service (must be supported by appropriate documentation - see office for details).
-

Notices and Questions

Notices regarding this course are posted electronically on Blackboard and/or on the Anthropology noticeboard, second floor, Richardson Building (beside lifts, north side).

Class handouts should be downloaded from Blackboard, unless advised otherwise.

Questions regarding laboratory streaming, extensions for coursework and other administrative matters should be directed to the Anthropology Department Office. Matters relating to course content, readings and assignments should be discussed with your course instructors.

Plagiarism

The material that you submit must be your own work. Copying or paraphrasing another's work and presenting it as your own is plagiarism and is a form of dishonest practice that is expressly forbidden under the University's Examination and Assessment regulations. Severe penalties up to and including disqualification from an entire paper may be imposed. View the university plagiarism policy at <http://www.otago.ac.nz/study/plagiarism.html>

Disability

The Anthropology Department encourages students to seek support if they find they are having difficulty with their studies due to disability, temporary or permanent impairments, injury or chronic illness.

Contact either: Cathrine Waite

Anthropology Department – Disability Contact Person
Room 2N7 Richardson Building
Phone: 479 8746
Email: cathrine.waite@stonebow.otago.ac.nz

Or

Disability Information and Support
Phone: 479 8235
Fax: 479 5873
Email: dis.learningsupport@otago.ac.nz
Website: <http://www.otago.ac.nz/disabilities>

Kaiawhina Maori (Te Kete Aronui) - Maori Student Support Officer (Division of Humanities)

The Maori Student Support Officer is available to help Maori students enrolled in Humanities papers.

- Contact for any questions, concerns or complaints.
- Liaison with academic and general staff.
- Referral to all services for Maori students.

Liaison office, 2S6, 2nd Floor, Arts Building
Telephone: 479 8681
Email: kaiawhina@stonebow.otago.ac.nz