



Te Kawa a Māui
Faculty of Humanities and Social Sciences

MAOR 202

Te Pūtaiao Māori Māori Science

Course Reference Number (CRN): 27089
Course Value: 20 points
Trimester 2 2015

1 IMPORTANT DATES

Trimester dates	13 July to 15 November 2015
Teaching dates	13 July to 16 October 2015
Mid-trimester break	24 August to 6 September 2015
Last assessment item due	29 October 2015
Withdrawal dates	Refer to www.victoria.ac.nz/students/study/withdrawals-refunds .
Aegrotats	If you cannot complete an assignment or sit a test or examination, refer to www.victoria.ac.nz/students/study/exams/aegrotats .

2 CLASS TIMES AND LOCATIONS

Tuesday	1:10-2:00pm	AMLT105 (Alan MacDiarmid Building)
Thursday	9:00-10:50am	AMLT105 (Alan MacDiarmid Building)

3 NAMES AND CONTACT DETAILS

Course Coordinator	Ocean Mercier Room 207, 50 Kelburn Parade Telephone 463 7457 Email ocean.mercier@vuw.ac.nz
Office Hours	By appointment
Course Administrator	Jeremy Porima Room 102, 50 Kelburn Parade Telephone 463 5314 Email jeremy.porima@vuw.ac.nz
Office Hours	Monday-Friday, 8:00am-4:30pm

4 COMMUNICATION OF ADDITIONAL INFORMATION

MAOR 202 has a Blackboard site. You should check this site regularly, i.e. at least twice a week.

All notices, course information (including information relating to assessments), and grades will be made available on Blackboard.

5 PRESCRIPTION AND COURSE LEARNING OBJECTIVES

5.1 Prescription

Māori have always been scientists and this science enabled them to adapt to, survive and thrive in the landscape of Aotearoa. This course examines how, by

looking at mātauranga and pūtaiao Māori (Māori knowledge and science) in both traditional and contemporary contexts. It examines the differences and similarities between Western and Māori ways of knowing. Workshops and field trips on topics such as hangarau (technology) and rongoā (medicine) allow students to engage with mātauranga and pūtaiao in practical ways.

5.2 Course Learning Objectives (CLOs)

Students who pass this course will be able to:

- 1 recall and discuss examples of scientific methodology used by Māori in their traditional knowledge
- 2 differentiate between Māori and 'Western' philosophies, values and practices related to science
- 3 understand how different knowledge systems and worldviews influence the management of the natural world, and be able to evaluate the influence of the Western scientific worldview on policies, procedures and legislation and their impact on Māori resource management
- 4 recall and describe recent case studies of Māori people engaged in and with science, and from this be able to critically examine which strategies best support Māori leadership in science
- 5 understand and describe Māori views and key Māori concepts on environmental management, and be able to apply these concepts to the identifying of Māori positions on contentious issues in science, such as xenotransplantation
- 6 learn skills in surveying and digital mapping with Google Earth in order to understand how a 'Western' technology can interface with mātauranga Māori in the practical context of mapping sites of significance to Māori, and
- 7 write critically to address a range of Māori issues arising from discourse at the 'interface' of science and mātauranga Māori.

6 COURSE CONTENT

This programme provides an outline of lecture content. The programme is flexible and where necessary will be tailored to the needs and requests of the students in the course.

Week	Lecture	Assessment
1	'Māori Have Always Been Scientists'	
2	Revolutions in Māori Knowledge	Weekly Assignment (WA) 1
3	Tātai Arorangi / Astronomy	WA2
4	Mahi Whakaterere / Navigation	Field Trip Assessment, WA3
5	Te Wao Nui a Tāne / Forest	WA4
6	Rongoā Maori / Medicine	WA5
MID-TRIMESTER BREAK: 24 August – 6 September		
7	Haumietiketike / Horticulture	WA6
8	Hangarau / Technology	Cultural Atlas Assignment, WA7
9	Kaitiakitanga and Rangatiratanga	WA8
10	Ngā Ahi e Ngiha Mai Nei / Contentious Issues	WA9

Week	Lecture	Assessment
11	Wānanga / Science Education	WA10
12	The Interface	In-class Test
	Study Period (19 – 23 October)	
	Examination Period (23 October – 14 November)	Essay

7 TEACHING FORMAT

7.1 Lectures

Students will attend one 50-minute lecture per week.

Lectures will involve a presentation from the Course Coordinator. Students are expected to have read all assigned readings in preparation for the lecture.

7.2 Workshops

Students will attend a 1 hour 50-minute workshop, once per week. Workshops will provide a space for students to engage with pūtaiao and mātauranga in practical ways that illuminate key concepts discussed in the week's lecture. Workshops will also provide students the opportunity to discuss the readings, the week's assignment and any issues arising from these.

8 WORKLOAD

The standard University workload for a 20-point course applies, i.e. 200 hours in total, spread over the teaching weeks, i.e. about 14 hours per week (inclusive of lectures and workshops).

Each week, the remaining 11 hours should be spent on:

- revising lecture and workshop notes (1-2 hours)
- reading and preparing for lectures and workshops (3-4 hours), and
- writing assignments (4-5 hours).

The division of time between reading for assignments and writing assignments will vary from week to week.

9 ASSESSMENT

9.1 Assessment Requirements

Information about all course assessments are contained in this course outline. Assessments will be explained in lectures. If you are unsure about any assessment requirement, please contact the Course Coordinator. Marking guides are available on Blackboard.

MAOR 202 is 100% internally assessed.

Assessment items	%	CLOs	Due date
1 Weekly assignments (10)	40%	1-7	Thursday due date in Weeks 2-11
2 Field trip assignment	5%	1,2	4 August (Week 4)
3 Cultural Atlas exercise	20%	6, 7	17 September (Week 8)

4	In-class test	15%	1-5, 7	15 October (Week 12)
5	Essay	20%	1-5, 7	29 October (Week 14)
Total internal assessment		100%		

9.2 Weekly Assignments **10 @ 4% each = 40%**

An assignment will be given out during each Thursday workshop, and will be due by 4:30pm the following Thursday. You are required to complete 8 of the 10 total assignments, but it is in your best interests to complete all 10, as each counts up to 4% towards your final mark. Each assignment will also be posted on Blackboard so that students who are unable to attend their workshop can work on the assignment in their own time. The assignments will consolidate the practical knowledge you gain during the workshops, and help you meet the learning objectives of the course.

9.3 Field Trip Assignment **5%**

During Week 3, on Tuesday 28 July (7:30-9:30pm), the whole class will visit the Carter Observatory, signposted from the top of the Cable Car. The cost of this field trip is \$10. Please pay your fee to Jeremy Porima (see above for Jeremy's office hours and location). You will explore the exhibits in order to answer worksheet questions (which will contribute to your 5% assessment), then view a Planetarium show, beginning at 8:00pm sharp, then, weather allowing, we will observe the skies through the telescope. You will then have one week to complete the test that assesses what you have learnt (5%). This will be on Blackboard and is due by 4:30pm on Tuesday 4 August.

9.4 Cultural Atlas Exercise **20%**

In 2010, Te Kawa a Māui instigated a School-wide research project that enables student contributions to an electronic 'cultural atlas' (see www.atlas.maori.nz). In this exercise, students will geographically locate entities of Māori significance in the local landscape, and plot these using Google Earth. Student research may contribute to the Cultural Atlas database. This assessment will constitute about 1000 words. Work for this assessment is due by 4:30pm on Thursday 17 September. More detail will be given in class and posted on Blackboard. The associated workshops and assignments are designed to equip you with digital mapping skills that can contribute to recording contemporary mātauranga Māori. The marksheet and further instructions will be available on Blackboard by Week 4.

9.5 In-class Test **15%**

A 90-minute test is scheduled for Week 12 of the course during our workshop time on Thursday 15 October. This will examine all lecture and workshop material covered up to and including Tuesday 13 October. The in-class test gives you the opportunity to consolidate what you have learnt about the ideological similarities and differences between mātauranga Māori and Western science, examples of scientific practice in traditional Māori knowledge and Māori development and leadership in science.

9.6 Essay **20%**

On or before 4:30pm on Thursday 29 October you will submit a 2000 word essay. The essay topics will be distributed in lectures and posted on Blackboard. Essays

are expected to use the JPS (a variant of Harvard) style of formatting and referencing. Essay topics are designed to allow you the opportunity to investigate more closely an area of interest to you, and to develop your critical writing skills to communicate your understanding and analysis of key issues that face Māori in interacting with 'Western' science. The marksheet will be available on Blackboard.

10 SUBMISSION AND RETURN OF COURSE WORK

10.1 Submission of Course Work

All work submitted for this course **MUST** be posted in the Assignment Box, Māori Studies School Office, 50 Kelburn Parade. All assignments are registered in the Māori Studies School Office. **DO NOT** hand work to the Course Coordinator, or leave assignments under the Course Coordinator's door. Please keep a copy of your work.

You are required to use the standard cover sheet for Te Kawa a Māui assignments. Hard copies of this are available by the Assignment Box.

10.2 Return of Course Work

Where possible, marked work will be returned to students in class. If a student is absent, or if work is returned in non-teaching periods, students will be notified of its availability via Blackboard, and it can be collected from the Māori Studies School Office at 50 Kelburn Parade. Students can collect their marked work Monday to Friday between the hours of 9:00am – 1:00pm only. Work cannot be given back outside of these times.

The Course Coordinator endeavours to have work marked and returned within two weeks of its submission.

11 EXTENSIONS AND PENALTIES

By prior arrangement and for very good reasons an extension might be granted. However, without an express extension from the Course Coordinator the following late penalties will apply:

- 5%* will be deducted for every day or part day that the assignment is late. NB* 5% is equivalent to one grade i.e. from an A+ to an A.
- after ten days the assignment will be accepted for the purposes of meeting the 'course requirements', but no mark will be given.

Unless an extension is previously granted, the final date for submission of MAOR 202 course assessment is Thursday 29 October at 4:30pm.

12 SET TEXTS

12.1 Required Text

You are required to purchase the MAOR 202 Course Reader from vicbooks. Visit www.vicbooks.co.nz to check price and availability.

You will need to bring your Course Reader to every lecture and workshop.

12.2 Recommended Reading

A variety of texts have been placed on Closed Reserve and 3-day Loan at Te Pātaka Kōrero (the University Library), (Levels 2 and 3 respectively) to assist you with your study and essay writing. Students should return Library books by the due date to avoid Library fines.

The following list gives references that may be useful for the essay topics in the course. Note that the full text of the Elsdon Best monographs is available via MyGateway.info. More details on how to access these are available on Blackboard.

Best, Elsdon, 1955. *The Astronomical Knowledge of the Maori*. Dominion Museum Monograph no. 3 Wellington: Government Printer.

Best, Elsdon, 1959. *The Maori Division of Time*. Dominion Museum Monograph no. 4 Wellington: Government Printer.

Best, Elsdon, 1923. *Polynesian Voyagers. The Maori as a Deep-sea Navigator, Explorer, and Colonizer*. Dominion Museum Monograph no. 5 Wellington: Government Printer.

Chalmers, Alan, 1999. *What is this thing called science? (3rd edition)*. Indianapolis: Hackett Publishers

Goldie, W. H, 1904. *Maori Medical Lore*. Papakura: Southern Reprints (1998).

Ladyman, James, 2002. *Understanding Philosophy of Science*. London: Routledge.

Lewis, David, 1972, 1994 (2nd ed.). *We, the Navigators*. Honolulu: University of Hawaii Press.

McLean, Robert and Smith, Tricia, 2001. *The Crown and Flora and Fauna: Legislation, Policies and Practices 1983-98*. Waitangi Tribunal Research Series Wai 262 (1997). Wellington: Waitangi Tribunal.

Riley, Murdoch, 1994. *Māori Healing and Herbal*. New Zealand Ethnobotanical Sourcebook. Paraparaumu: Viking Sevenses N.Z. Ltd.

Te Kawa a Māui, 2010-2013. *Te Kawa a Māui Atlas*. Available: www.atlas.maori.nz or www.victoria.ac.nz/maori/atlas Wellington: Victoria University of Wellington.

Williams, David, 2001. *Matauranga Maori and Taonga*. Waitangi Tribunal Research Series Wai 262 (1997). Wellington: Waitangi Tribunal.

Williams, P. M. E. 1996. *Te Rongoa Maori. Maori Medicine*. Auckland: Reed.

You should also watch episodes of Māori Television's science series Project Mātauranga, available online.

12.3 Academic Writing Guide

Students will be required to make their written work conform to the Māori Studies academic writing guidelines. A copy of these guidelines will be made available on Blackboard.

13 TE PŪTAHI ATAWHAI MENTORING PROGRAMME

Te Pūtahi Atawhai (TPA) coordinates a mentoring programme for Māori and Pasifika students who would like assistance with their courses. To check which courses this service is available for, speak to a TPA staff member at the beginning of the course. Their office is located on Level 2 of the Student Union Building.

14 CLASS REPRESENTATIVE

The class representative provides a useful way to communicate feedback to the teaching staff during the course. A class representative will be selected at the first lecture. Students may like to write the Class Rep's name and details in this box:

15 STUDENT FEEDBACK

This is the first time that Te Pūtaiao Māori has been offered as MAOR 202. It was previously taught as MAOR 124.

Student feedback on University courses may be found at www.cad.vuw.ac.nz/feedback/feedback_display.php.

The information above is specific to this course. There is other important information that students must familiarise themselves with, including:

Academic integrity and plagiarism

www.victoria.ac.nz/students/study/exams/integrity-plagiarism

Aegrotats

www.victoria.ac.nz/students/study/exams/aegrotats

Academic progress

(including restrictions and non-engagement)

www.victoria.ac.nz/students/study/progress/academic-progress

Dates and deadlines

www.victoria.ac.nz/students/study/dates

FHSS Student and Academic Services Office

www.victoria.ac.nz/fhss/student-admin

Grades

www.victoria.ac.nz/students/study/progress/grades

Māori at Victoria

www.victoria.ac.nz/maori-at-victoria

Resolving academic issues

www.victoria.ac.nz/about/governance/dvc-academic/publications

Special passes

www.victoria.ac.nz/about/governance/dvc-academic/publications

Statutes and policies

(including the Student Conduct Statute)

www.victoria.ac.nz/about/governance/strategy

Student support

www.victoria.ac.nz/students/support

Students with disabilities

www.victoria.ac.nz/st_services/disability

Student charter

www.victoria.ac.nz/learning-teaching/learning-partnerships/student-charter

Student contract

www.victoria.ac.nz/study/apply-enrol/terms-conditions/student-contract

Subject Librarians

<http://library.victoria.ac.nz/library-v2/find-your-subject-librarian>

Te Kawa a Māui

www.victoria.ac.nz/maori

Te Pūtahi Atawhai

www.victoria.ac.nz/students/get-involved/lead-mentor/te-putahi-atawhai

Turnitin

www.cad.vuw.ac.nz/wiki/index.php/Turnitin

University structure

www.victoria.ac.nz/about/governance/structure

Vic Books

www.vicbooks.co.nz

Victoria graduate profile

www.victoria.ac.nz/learning-teaching/learning-partnerships/graduate-profile

VUWSA

www.vuwsa.org.nz