

MATS 204

Treasure or Trash: Sustainability of Materials 2023

BY DISTANCE



MATS 204
Treasure or Trash: Sustainability of
Materials



otago
summer
school
Te Kura Raumatī

COURSE OVERVIEW

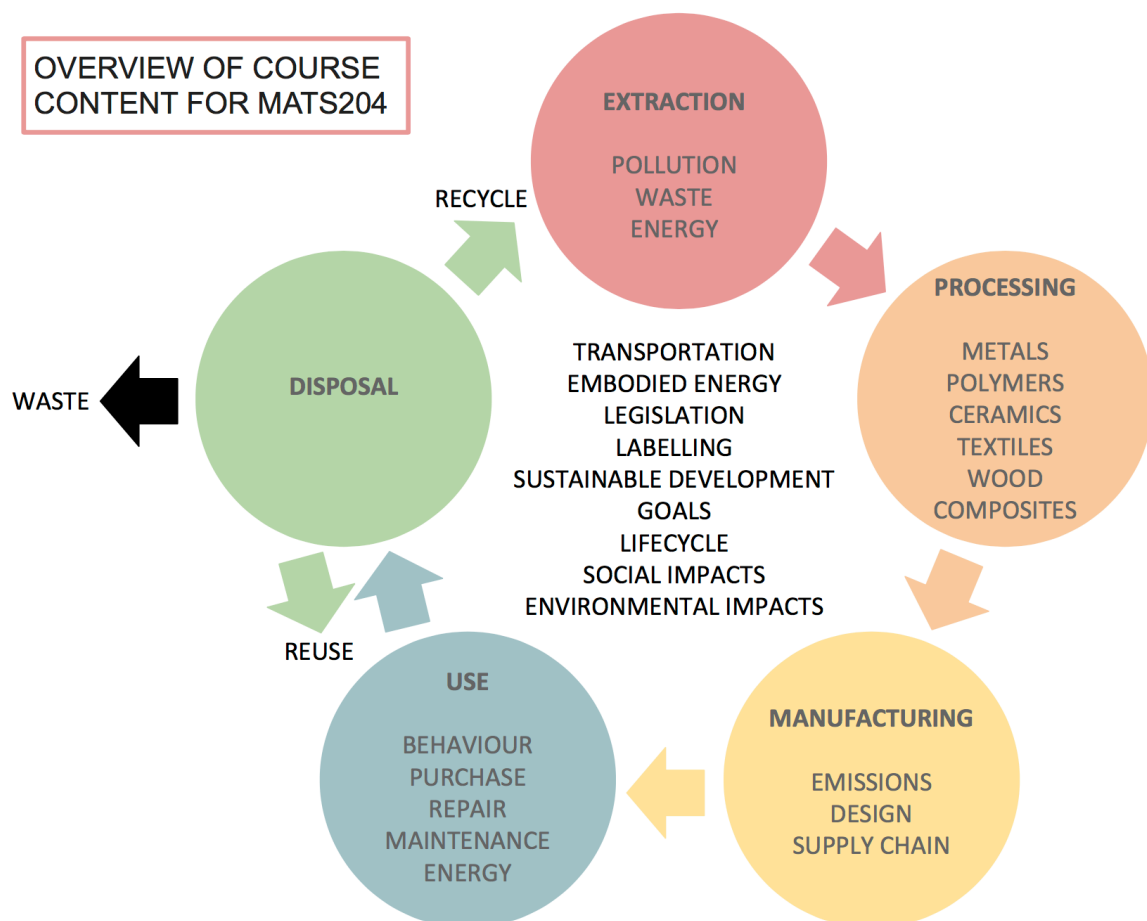
Aim: To develop understanding of the principles and complexities of sustainability of materials and their application in design, selection, processing, manufacture, use and disposal of products.

Objectives:

On successful completion of the paper students will be able to:

1. communicate and apply principles and complexities of sustainability relating to materials and the role of the consumer
2. evaluate aspects of design, material selection and manufacture to improve the sustainability of a product
3. identify and evaluate relevant literature
4. communicate ideas clearly in written and oral forms

Listen to Sarah talk on the [Susty Sussed podcast](#).



Course Co-ordinator: Associate Professor Sarah Wakes (sarah.wakes@otago.ac.nz)

Timetable:

All material is pre-recorded and available on ECHO360 (click on the link on the Blackboard page). To help you navigate the content over the 6 weeks of Summer School a seminar roadmap and suggested timeline are given in this document.

The **seminar roadmap** is an overview of course content and how it is associated with the materials lifecycle.

The **suggested timeline** is a proposed schedule of what to do in order to complete the course on time. This is a guide but you can approach the course material and assessments in a manner and at a speed that suits you, noting that assessment due dates must be adhered to.

Zoom Help Sessions:

Drop in help sessions are available every Monday (12noon – 1pm) and Thursday (7-8pm) via Zoom. The meeting link for MATS 204 is:

<https://otago.zoom.us/j/110672351?pwd=cHQ5ZUdJTTRabWR3RUhsYnRpbVp0dz09>

Meeting ID: 110 672 351

Password: SS2023

Instructions for using Zoom and accessing the recorded content are available via the Recorded content (Otago capture) link on the course Blackboard page. Resource videos are filed under Resource videos.

Course Information is provided through Blackboard which is used in support of teaching in terms of course information, documents and return of marks. Full lecture notes and recordings are provided. All communication will be through email and Blackboard. Please ensure you check these regularly.

Staff Student Communication: The University requires that all communication between staff and students is via your University student email address. Including your ID number in all communications is helpful.

Assessment and proposed due dates: Final grade compilation is 100% from internal assessment.

Components	Percentage of final mark	Due dates
Discussion boards [individual]:		
D1a: Sustainability Challenge goal	5	22 nd January (11.59 pm)
D1b: Sustainability Challenge video	5	22 nd January (11.59 pm)
D1c: Sustainability Challenge comments	5	12 th February (11.59 pm)
D1d: Sustainability Challenge reflection	5	12 th February (11.59 pm)
D2: Putting Sustainable Theory into Practice	10	5 th February (11.59 pm)
Assignment 1: Materials Presentation		
1a: Presentation video	15	27 th January (11.59 pm)
1b: Presentation marking	5	1 st February (11.59 pm)
Assignment 2: Material Analysis and Lifecycle mapping		
A2: Material Analysis and Lifecycle map	25	8 th February (11.59 pm)
Assignment 3: Sustainability Initiative		
A3: Report	25	19 th February (11.59 pm)

Assignments submitted on the due date will be marked according to the University of Otago standard scale.

The University of Otago uses the following standard scale for converting numerical marks awarded into grades:

Pass			Fail
90–100 A+	75-79 B+	60-64 C+	40-49 D
85-89 A	70-74 B	55-59 C	< 40 E
80-84 A-	65-69 B-	50-54 C-	

Late submission of assignments:

- With the exception of the final assignment, late submissions will be accepted during the period of 1 week following the due date, but will incur a 10% penalty. After this date late assignments will not be marked unless an extension has been approved.
- No late submission is accepted for the final assignment without an approved extension.

Extensions need to be managed by the student through direct communication with the course coordinator. Early communication with the course coordinator about any issues affecting attendance or performance is encouraged. Student health declarations (part A) [<http://www.otago.ac.nz/studenthealth/forms/>] or other relevant documentation as appropriate are required for all requests for extensions and must be sent directly to the course coordinator. Part B of the student health declaration is required only for significant absences.

Return of Assignments: Assignments will normally be returned 1 week after final submission date. Marks will normally be returned via Blackboard within 1 week of this date.

Academic integrity means being honest in your studying and assessments. It is the basis for ethical decision-making and behaviour in an academic context. Academic integrity is informed by the values of honesty, trust, responsibility, fairness, respect and courage. Students are expected to be aware of, and act in accordance with, the University's Academic Integrity Policy.

Academic Misconduct, such as plagiarism or cheating, is a breach of Academic Integrity and is taken very seriously by the University. Types of misconduct include plagiarism, copying, unauthorised collaboration, taking unauthorised material into a test or exam, impersonation, and assisting someone else's misconduct. A more extensive list of the types of academic misconduct and associated processes and penalties is available in the University's Student Academic Misconduct Procedures.

It is your responsibility to be aware of and use acceptable academic practices when completing your assessments. To access the information in the Academic Integrity Policy and learn more, please visit the University's Academic Integrity website at www.otago.ac.nz/study/academicintegrity or ask at the Student Learning Centre or Library. If you have any questions, ask your lecturer.

Turnitin is used for all written work to confirm originality. Turnitin has been set up to allow students to submit one draft of an assignment for checking prior to submitting the final assignment for assessment.

Disability: The Department encourages students to seek support if they find they are having difficulty with their studies due to a disability, temporary or permanent impairment, injury, chronic illness or deafness. Contact Disability Information and Support, (Ph 479-8235, email disabilities@otago.ac.nz, website <http://www.otago.ac.nz/disabilities>).

Class Representative: A class representative will be nominated for the course. You are welcome to bring any issues you have to the attention of your class representative for discussion at these meetings.

Problems: Should you experience any problems with any aspect of a MATS paper, you should first see the person teaching the relevant section of work. If the problem is not resolved or discussion with the teacher is not appropriate, please contact the course co-ordinator [Associate Professor Sarah Wakes].

Staff

Associate Professor Sarah Wakes (Course Coordinator)

Sciences 3 Building room 2.17

Tel: 03 479 3148

sarah.wakes@otago.ac.nz

- Availability to answer emails, see people (by Zoom or in person) or speak on the phone: 9am-5pm Weekdays
- Drop-in Zoom hour: Mondays 12(noon) – 1pm (see page 3 for link)

Dr Linda Dunn

linda.dunn@otago.ac.nz

- Drop-in Zoom hour: Thursdays 7pm – 8pm (see page 3 for link)

SUGGESTED TIMELINE FOR MATS 204 SUMMER SCHOOL 2023

<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>	<i>Sunday</i>
December 2022						
			1 Blackboard opens	2	2	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23 University closed	24 University closed	25 University closed
26 University closed	27 University closed	28 University closed	29 University closed	30 University closed	31 University closed	
January 2023						
						1 University closed
2 University closed	3 University closed	4	5	6	7	8
9 Week 1: Summer School Starts	10	11	12	13	14	15
16 Week 2	17	18	19	20	21	22 D1a & D1b due
23 Week 3	24	25	26	27 A1a due	28	29
February 2023						
30 Week 4	31	1 A1b due	2	3	4	5 D2 due
6 Week 5: Waitangi Day	7	8 A2 due	9	10	11	12 D1c & D1d due
13 Week 6	14	15	16	17	18	19 A3 due

