2026 Syllabus

Instructor with "＊"means an instructor with company experience

Field	Course Name	Credits	Course Code	Semester	Class Style
Dept. S General Required	Global Studies	2	610600	First	Lecture Class

Target Grade	Instructor	Office	E-mail Address	Office Hours
3	Tracie Stevenson-Wright			

Course Objectives

Keywords (10.5pt)		Learning Objectives (10.5pt)
1	Study and life skills	The students will learn necessary study and life skills for a study-abroad program in this class: 1) essential academic policies and expectations as international students, including the effective use of the learning support system at Otago Polytechnic 2) the manners and policies for a smooth homestay experience. 3) local geography, culture, and activities on and off campus.
2	Academic and culture orientation	
3	Learning support system	
4	Homestay experience	
5	Living experience	

Course Description and Expectations for Students (10.5pt)

In this class, students will understand the policies and expectations to study and live at Otago Polytechnic in Dunedin.

Study-skills and Campus system
1) The academic policies and the learning system of Otago Polytechnic.
2) Expected manners and efforts in class
3) The use of IT devices and the Internet

Life-skills
1) Homestay policies and manners
2) Campus and City navigation system
3) Sports and cultural activities in Dunedin

All the assignments need to be submitted on time.

Required Materials (textbooks, reference books, reserved books)
Refer to Otago Polytechnic Moodle Website

Knowledge/Skills Needed to Take This Course (Prerequisites) (10.5pt)

Speaking and Listening skills, Reading and Writing Skills, Bridge English

No.	Program Objectives	Target Abilities for Students (9pt)
①	b,d,i	The students are able to understand and act on the essential academic policy and manners.
②	b,d,e, i	The students are able to understand and act on the homestay policies and manners.
③	b,d,i	The students are able to navigate themselves on how to ask for a help with academic and life issues properly when needed.
④	e,i	The students are able to understand geographical features and how they affect lifestyles
⑤	b, e, f, i	The students are able to express the cultural differences between New Zealand, Japan or native country.
⑥	b, e, f, i	The students are able to discuss and reflect on family lifestyles in different ethnic environments

Evaluation Criteria

Criteria and Ratio \ Evaluation Method		Exams	Quizzes	Reports	Presentations	Works	Portfolios	Others	Total
Total Evaluation Ratio		0	10	40	40	0	10	0	100
Comprehensive Strength Criteria	Ability to capture knowledge	0	5	10	10	0	2	0	27
	Ability to think, reason and create	0	5	10	10	0	2	0	27
	Collaboration and leadership	0	0	0	0	0	0	0	0
	Announcement / Expression / Communication	0	0	0	10	0	3	0	13
	Attitude and motivation for learning	0	0	20	10	0	3	0	33

＊ The numerical breakdown shown by Comprehensive Strength Criteria is an approximate guideline for class management.

Evaluation Method

Evaluation Method	Target Ability		Evaluation Methods and Important Points (10.5pt)
Exams	①		
	②		
	③		
	④		
	⑤		
	⑥		
Quizzes	①	✓	In class you will participate in a quiz from a New Zealand News website (Stuff.co.nz). You will be given opportunities to lead the quiz. When you are leading the quiz it is your job to help run a class discussion about the answers, move the group towards consensus, or facilitate a vote to determine which answer to select.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Reports	①	✓	You will submit four short pieces of writing (reports). Each report should be between 300 and 400 words long. You will submit your reports electronically to your lecturer. The topic of each piece of writing will be given by the lecturer.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Presentations	①	✓	You will give four short presentations in class. Each presentation should last between 5 and 7 minutes. Your presentation will be given in English and should use some sort of visual aid (for example a power point presentation or a diagram). The topic of each presentation will be given by the lecturer.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Works	①		
	②		
	③		
	④		
	⑤		
	⑥		
Portfolios	①	✓	You will compile a portfolio of things you have done and experienced while in New Zealand so far. Your portfolio should include a range of experiences both on and off campus. You will also do a piece of reflective writing that is between 200 and 300 words and highlights what you have learnt so far and how you will apply this to the rest of your time in New Zealand. You should include SMART Goals for the rest of your stay in your portfolio.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Others	①		
	②		
	③		
	④		
	⑤		
	⑥		

Specific Achievement Criteria

Description of Ideal Achievement (10.5pt)	Description of Standard Achievement (10.5pt)
The students complete all the assignments on time/ahead of submission dates. Having frequent interaction with instructors, other students, host families, and communities. Detailed and well thought out reflections and contribution to discussions.	The students complete and handed in on time. Having consistent communication with instructors, other students, host families, and communities Detailed reflections and contribution to discussions.

Course Schedule

* Most assignments will be allocated class time. However, if an assignment takes longer than the class time allocated, students will be expected to complete the assignment after the class and submit it before the deadline.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
1 /	EngTech Orientation (Physical Tour, H&S, Online environment including Teams, Moodle, Student expectations)	Lecture	Review as instructed	15
2 /		Lecture		15
3 /	Develop and Deliver Self Introduction Presentations	Lecture	Presentation preparation	15
4 /		Presentation	Review as instructed	15
5 /	Introductions to places and locations: Map of New Zealand, describing places and things	Lecture	Review as instructed	15
6 /		Lecture	Review as instructed	15
7 /	Introduction to NZ Homestay life: NZ Lifestyle and living	Lecture	Review as instructed	15
8 /		Lecture	Report writing	15
9 /	Prepare Japan and NZ Comparison Presentation 1	Lecture	Presentation Preparation	15
10 /	Prepare Japan and NZ Comparison Presentation 2	Research	Presentation Preparation	15
11 /	Dunedin and Otago Introduction – Trip to Toitu	Lecture	Review as instructed	15

12		Lecture	Review as instructed	15
13 /	Research and Develop Dunedin History Presentation 1	Lecture	Research	15
14 /	Research and Develop Dunedin History Presentation 2	Lecture	Research	15
15 /	Deliver Dunedin History Presentation	Presentation	Presentation Preparation	15
16 /	Education in Japan and New Zealand - different education styles	Lecture	Review as instructed	15
17 /	Planning and Goals: SMART Goal setting	Lecture	Report writing	15
18 /		Lecture	Report writing	15
19 /	Presenting a view: Facts, Views and Opinions	Lecture	Review as instructed	15
20 /	Presenting a view: Agreeing and Disagreeing	Lecture	Report writing	15
21 /	Entertainment: Japan vs New Zealand	Lecture	Review as instructed	15
22		Lecture	Review as instructed	15
23	History of Engineering: Japan & New Zealand 1	Lecture	Report writing	15

Course Schedule

* Most assignments will be allocated class time. However, if an assignment takes longer than the class time allocated, students will be expected to complete the assignment after the class and submit it before the deadline.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
24	History of Engineering: Japan & New Zealand 2	Lecture	Report writing	15
25	History of Engineering: Comparison Presentation Prep	Lecture	Presentation Preparation	15
26	History of Engineering: Comparison Presentation	Presentation	Review as instructed	15
27	Health and Nutrition: Food in New Zealand	Lecture	Review as instructed	15
28		Lecture	Review as instructed	15
29	Following Instructions to cook	Lecture	Review as instructed	15
30		Lecture	Reflection	15

2026 Syllabus

Instructor with "＊"means an instructor with company experience

Field	Course Name	Credits	Course Code	Semester	Class Style
Dept. S General Required	Global Life and Culture I	2	610700	First	Exercises Class

Target Grade	Instructor	Office	E-mail Address	Office Hours
3	BAIRD, Pauline / UTSUNOMIYA, Takako	Hakusanroku C: 31.104		TBA

Course Objectives

Keywords (10.5pt)		Learning Objectives (10.5pt)
1	Culture	Students will be able to deepen their interest in various aspects of different cultures, including lifestyle, housing, food, fashion, manners, customs, pastimes, working styles, nature, and history. Through contact with people with different cultural backgrounds, students will explore a variety of values and beliefs, experiencing the joys and challenges of intercultural exchange. Students will learn to see their own culture from a comparative perspective, improving their ability to express their own standpoint while respecting their own and different cultures.
2	Diversity	
3	Values and beliefs	
4	Intercultural exchange	
5	Comparative perspective	

Course Description and Expectations for Students (10.5pt)

This course will offer a "Self-directed" study instead of face-to-face online lectures as a type of active learning.

In this course, while living in New Zealand, the following topics will be covered in four modules (Modules 1 – 4):
1) Moving to a new country, 2) Culture Shock, 3) Leisure and Environment, 4) Meeting New People.

Choose one of the provided prompts of interest. Listen and observe yourself, others, and the environment, then respond to the prompt. Make sure to check the due dates set by teachers.

【Advice】
(1) Positively communicate with people with diverse backgrounds during the course.
(2) Try to see things from various aspects so that you can more deeply understand the given topic.
(3) Try to improve your English Language level.

Required Materials (textbooks, reference books, reserved books) (10.5pt)

Knowledge/Skills Needed to Take This Course (Prerequisites) (10.5pt)

Ability to express one's own ideas, feelings, and observations in English and/or Japanese.
Ability to write and reflect on life at home and overseas.
Ability to organize ideas into a journal.
Ability to use feedback to improve thought and expression.

No.	Program Objectives	Target Abilities for Students (9pt)
①	e	Students will be able to communicate with people in the world using English.
②	e	Students will be able to understand the ways of life in various cultures and enjoy them.
③	e	Students will be able to express their findings and ideas/thoughts through engaging the assignments.
④	f	Students will be able to explore a variety values and beliefs
⑤	f	Students will be able to listen to and observe various people to deepen their interests about different cultures.
⑥	f	Students will be able to improve their ability to express their own standpoint.

Evaluation Criteria

Criteria and Ratio \ Evaluation Method		Exams	Quizzes	Reports	Presentations	Works	Portfolios	Others	Total
Total Evaluation Ratio		0	0	50	0	0	50	0	100
Comprehensive Strength Criteria	Ability to capture knowledge	0	0	20	0	0	20	0	40
	Ability to think, reason and create	0	0	20	0	0	20	0	40
	Collaboration and leadership	0	0	0	0	0	0	0	0
	Announcement / Expression / Communication	0	0	10	0	0	10	0	20
	Attitude and motivation for learning	0	0	0	0	0	0	0	0

* The numerical breakdown shown by Comprehensive Strength Criteria is an approximate guideline for class management.

Evaluation Method

Evaluation Method	Target Ability		Evaluation Methods and Important Points (10.5pt)
Exams	①		
	②		
	③		
	④		
	⑤		
	⑥		
Quizzes	①		
	②		
	③		
	④		
	⑤		
	⑥		
Reports	①	✓	Reports (journals based on given prompts) are 50% of the overall course grade. 1) Choose <u>one</u> prompt from the list provided. Listen and observe your environment and yourself, then respond to the prompt. 2) Write at least 250 words in English ONLY on a chosen prompt. 3) Upload the journals to BOX by the due date. 4) Each journal entry is 50 points. (Avoid late submissions. Notify the teachers by email if your work is going to be late. 10 points will be deducted for unexcused late submissions.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Presentations	①		
	②		
	③		
	④		
	⑤		
	⑥		
Works	①		
	②		
	③		
	④		
	⑤		
	⑥		
Portfolios	①	✓	Portfolios (journals based on free topics) account for 50% of the overall course grade. 1) Write freely on any topic or concern or share a picture/s and write about it/them. 2) Write about 350 words in English or Japanese (500 Japanese characters) on a chosen topic. 3) Upload the journals to BOX by the due date. 4) Each journal entry is 50 points. The subtotal of the points (50 points max. each unit) for 7 units is converted to 50%.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Others	①		
	②		
	③		
	④		
	⑤		
	⑥		

Specific Achievement Criteria

Description of Ideal Achievement (10.5pt)	Description of Standard Achievement (10.5pt)
Students will complete assignments in English or Japanese on time and to a high standard. Students will respond appropriately to feedback and seek help when necessary to further improve.	Students will complete assignments to a reasonable standard in English or Japanese. Students will respond to most feedback and will occasionally seek help.

Course Schedule

* In the "Time" column of the Assignments, the standard time required for the specified assignment is provided. For total-time credit courses, please take the time corresponding to each class for review and preview. (For example, in the case of a 2-credit course, please try to take 200 minutes per week.) Please follow the teacher's guidance for details.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
April 13 - 18	Read the syllabus and prepare to write	Read the syllabus	Preparing Internet connection. Preview the modules. Get started.	90 10
20 - 24	**Module 1: Moving to a New Country** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
/	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
May 4- 9	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
11 - 17 /	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
18 - 23	**Module2: Culture Shock!** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
26 - 31	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10

Course Schedule

* In the "Time" column of the Assignments, the standard time required for the specified assignment is provided. For total-time credit courses, please take the time corresponding to each class for review and preview. (For example, in the case of a 2-credit course, please try to take 200 minutes per week.) Please follow the teacher's guidance for details.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
June 2- 6	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
8 – 13	**Module 3: Leisure and Environment** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
15- 19 /	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10

Course Schedule

* In the "Time" column of the Assignments, the standard time required for the specified assignment is provided. For total-time credit courses, please take the time corresponding to each class for review and preview. (For example, in the case of a 2-credit course, please try to take 200 minutes per week.) Please follow the teacher's guidance for details.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
22 - 26	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
July 6-10	**Module 4: Meeting New People** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
20 - 25	Journal 2	Prompts for self-directed learning	Complete Journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
27 - 31	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10

2026 Syllabus

Instructor with "＊"means an instructor with company experience

Field	Course Name	Credits	Course Code	Semester	Class Style
Dept. S General Required	Global Life and Culture II	2	610800	Second	Exercises Class

Target Grade	Instructor	Office	E-mail Address	Office Hours
3	BAIRD, Pauline / UTSUNOMIYA, Takako	Hakusanroku C: 31.104		TBA

Course Objectives

Keywords (10.5pt)		Learning Objectives (10.5pt)
1	Culture	Students will be able to deepen their interest in various aspects of different cultures, including lifestyle, housing, food, fashion, manners, customs, pastimes, working styles, nature, and history. Through contact with people with different cultural backgrounds, students will explore a variety of values and beliefs, experiencing the joys and challenges of intercultural exchange. Students will learn to see their own culture from a comparative perspective, improving their ability to express their own standpoint while respecting their own and different cultures.
2	Diversity	
3	Values and beliefs	
4	Intercultural exchange	
5	Comparative perspective	

Course Description and Expectations for Students (10.5pt)

This course will offer a "Self-directed" study instead of face-to-face online lectures as a type of active learning.

In this course, while living in New Zealand, the following topics will be covered in five modules (Modules 5 – 9):
5) Discovering Japanese culture, 6) School Life, 7) Making connections (Language and Interests), 8) Personal Skills and Career Growth, 9) Moving Home

Choose one of the provided prompts of interest. Listen and observe yourself, others, and the environment, then respond to the prompt. Make sure to check the due dates set by teachers.

【Advice】
(1) Positively communicate with people with diverse backgrounds during the course.
(2) Try to see things from various aspects so that you can more deeply understand the given topic.
(3) Try to improve your English Language level.

Required Materials (textbooks, reference books, reserved books) (10.5pt)

Knowledge/Skills Needed to Take This Course (Prerequisites) (10.5pt)

Ability to express one's own ideas, feelings, and observations in English and/or Japanese.
Ability to write and reflect on life at home and overseas.
Ability to organize ideas into a journal.
Ability to use feedback to improve thought and expression.

No.	Program Objectives	Target Abilities for Students (9pt)
①	e	Students will be able to communicate with people in the world using English.
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③	e	Students will be able to express their findings and ideas/thoughts through engaging the assignments.
④	f	Students will be able to explore a variety values and beliefs
⑤	f	Students will be able to listen to and observe various people to deepen their interests about different cultures.
⑥	f	Students will be able to improve their ability to express their own standpoint.

Evaluation Criteria

Criteria and Ratio \ Evaluation Method		Exams	Quizzes	Reports	Presentations	Works	Portfolios	Others	Total
Total Evaluation Ratio		0	0	50	0	0	50	0	100
Comprehensive Strength Criteria	Ability to capture knowledge	0	0	20	0	0	20	0	40
	Ability to think, reason and create	0	0	20	0	0	20	0	40
	Collaboration and leadership	0	0	0	0	0	0	0	0
	Announcement / Expression / Communication	0	0	10	0	0	10	0	20
	Attitude and motivation for learning	0	0	0	0	0	0	0	0

＊ The numerical breakdown shown by Comprehensive Strength Criteria is an approximate guideline for class management.

Evaluation Method

Evaluation Method	Target Ability		Evaluation Methods and Important Points (10.5pt)
Exams	①		
	②		
	③		
	④		
	⑤		
	⑥		
Quizzes	①		
	②		
	③		
	④		
	⑤		
	⑥		
Reports	①	✓	Reports (journals based on given prompts) are 50% of the overall course grade. 1) Choose <u>one</u> prompt from the list provided. Listen and observe your environment and yourself, then respond to the prompt. 2) Write at least 250 words in English ONLY on a chosen prompt. 3) Upload the journals to BOX by the due date. 4) Each journal entry is 50 points. (Avoid late submissions. Notify the teachers by email if your work is going to be late. 10 points will be deducted for unexcused late submissions.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Presentations	①		
	②		
	③		
	④		
	⑤		
	⑥		
Works	①		
	②		
	③		
	④		
	⑤		
	⑥		
Portfolios	①	✓	Portfolios (journals based on free topics) are 50 % of the overall course grade. 1) Write freely on any topics or concerns or share a picture/s and write about it/them. 2) Write about 350 words in English or Japanese (500 Japanese characters) on a chosen topic. 3) Upload the journals to BOX by the due date. 4) Each journal entry is 50 points. The subtotal of the points (50 points max. each unit) for 7 units is converted to 50%.
	②	✓	
	③	✓	
	④	✓	
	⑤	✓	
	⑥	✓	
Others	①		
	②		
	③		
	④		
	⑤		
	⑥		

Specific Achievement Criteria

Description of Ideal Achievement (10.5pt)	Description of Standard Achievement (10.5pt)
Students will complete assignments in English or Japanese on time and to a high standard. Students will respond appropriately to feedback and seek help when necessary to further improve.	Students will complete assignments to a reasonable standard in English or Japanese. Students will respond to most feedback and will occasionally seek help.

Course Schedule

* In the "Time" column of the Assignments, the standard time required for the specified assignment is provided. For total-time credit courses, please take the time corresponding to each class for review and preview. (For example, in the case of a 2-credit course, please try to take 200 minutes per week.) Please follow the teacher's guidance for details.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
August 3 - 4 /	Read the syllabus and prepare to write	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
10 – 15	**Module 5: Discovering Japanese Culture** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
17 - 22	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
24 - 29	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
31- Sept 5	**Module 6: School Life** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to Moodle. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
September 7 - 12	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10

Course Schedule

* In the "Time" column of the Assignments, the standard time required for the specified assignment is provided. For total-time credit courses, please take the time corresponding to each class for review and preview. (For example, in the case of a 2-credit course, please try to take 200 minutes per week.) Please follow the teacher's guidance for details.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
8 - 13	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
14 - 19	**Module 7: Making Connections (Language and Interests)** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
October 5 - 10	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
12 - 17	Journal 3 -free topics-	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
19 - 24	**Module 8: Personal Skills and Career Growth** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10

Course Schedule

* In the "Time" column of the Assignments, the standard time required for the specified assignment is provided. For total-time credit courses, please take the time corresponding to each class for review and preview. (For example, in the case of a 2-credit course, please try to take 200 minutes per week.) Please follow the teacher's guidance for details.

Class No. Date	Class Content (10pt)	Method (10pt)	Assignments (10pt) (Preview and Review)	Time (Minutes)
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
November 2 – 7	Journal 2	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
November 23 - 28 /	Catch up	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	Catch up	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
January 25 - 30	**Module 9: Moving Home** Journal 1	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
	(Same as above)	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
Feb 2 - 6	Catch up	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
8 - 13 /	Catch up	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10
22 - 27 /	Catch up	Prompts for self-directed learning	Complete the journal and submit it to BOX by the due date. Check the feedback comment.	90 10

Functional English

SMS Code	EE501001	*Teacher-directed learning hours*	150
Level	4	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme No			

Aim

To enable students to communicate independently and effectively with fluency and flexibility in everyday social, community, and academic English language contexts

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Use oral and written English fluently to communicate in formal and informal settings
2. Identify and outline main ideas and key supporting evidence in formal and informal communication
3. Apply the principles of intercultural communication in context

Indicative Content

- Reading moderately complex English texts and commenting on them
- Listening to moderately complex English texts and commenting on them
- Participating in conversations about culture and society
- Analysing situations from a cultural perspective
- Writing a variety of texts in English in appropriate genre about social and cultural issues

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Test	10%	1-3	Percentage	Must pass with minimum 50 % overall
Oral Discussion	20%	1-3		
Portfolio	40%	1-3		
Presentation	30%	1-3		

Engineering English Communication (Engineering Communication)

SMS Code	EE502001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme No			

Aim

To enable students to communicate effectively in English in a global engineering environment

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Interpret ideas and concepts in complex English language texts in an engineering context
2. Communicate technical information in an engineering English context
3. Use English language to communicate instructions, information and decisions effectively
4. Demonstrate cultural awareness in a global engineering environment

Indicative Content

- Writing a technical report in English
- Writing engineering laboratory reports in English
- Giving a technical presentation based on a project
- Giving and receiving instructions in an engineering context
- Analysing engineering case studies from a technical and cultural viewpoint
- Reading and interpreting technical information related to engineering and IT contexts
- Participating in group project planning and implementation in an English language environment
- Analysing cultural norms and values relating to teamwork and project case studies

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Presentation	20%	1-4	Percentage	Must pass with minimum 50% overall
Report	20%	1-4		
Test	15%	1,2		
Portfolio	20%	2-4		
Practical	25%	1-4		

Introduction to Engineering Practice (Engineering Practice)

SMS Code	EE503001	*Teacher-directed learning hours*	150
Level	4	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme: No			

Aim

To enable students to develop engineering principles and applications in an integrated, multidisciplinary project-based learning environment

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Operate safely in an engineering environment
2. Produce concept models and assemblies and apply these to create a project outcome
3. Demonstrate effective communication and cultural awareness in a project-based team environment

Indicative Content

- Team roles and effective team operation
- Integration of maths and physical science concepts into physical engineering projects
- 3D Cad for detail drawings and automated subtractive and additive engineering processes
- Safe use of a range of engineering and electrical hand and power operated tools for the manufacture of prototype parts
- Effective communication with engineering technicians and others providing client services
- Reflective practice for self-analysis of project work
- Effective presentation types, technologies, skills and techniques

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Project Team Contribution	30%	1-3	CRA	Must pass with minimum 50% overall
Project outcomes	30%	1-3		
Presentation	40%	2,3		

Engineering Project (Engineering Design III)

SMS Code	EE504001	*Teacher-directed learning hours*	300
Level	5	*Authentic work experience learning hours*	
Credits	30	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	300
NQF Unit standards assessed in this course: No			
This course approved in another Programme No			

Aim

To enable students to apply engineering knowledge and problem-solving skills to conceive, design, implement and operate an engineering project to accepted standards

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Present a proposal for an engineering-based project
2. Formulate a work plan and procedures with consideration to environment and resource management, safety, ethical and cultural factors
3. Implement, operate, analyse and report on an engineering project outcome

Indicative Content

- Apply theoretical knowledge and practical skills to develop a desired engineering solution
- Create of an effective product prototype, computer model or proof of concept as the required outcome
- Design process that integrates mathematical and physical science concepts as appropriate to the outcomes
- Integration of maths and physical science concepts into physical engineering projects
- Demonstration of reflective practice throughout the project process
- Correct selection of effective presentation types, technologies, skills and techniques
- Recording of processes in appropriate media
- Teamwork and group negotiation skills

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Project outcomes	50%	1-3	Percentage	Must pass with minimum 50% overall
Presentation	15%	1-3		
Documentation	35%	1-3		

Engineering Mathematics

SMS Code	EE505001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme No			

Aim

To enable students to apply general mathematical principles and equip them with appropriate engineering mathematical skills to solve engineering problems

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Apply techniques of algebra to solve engineering-related problems
2. Apply complex numbers and matrices to solve engineering-related problems
3. Apply techniques of calculus including integration and differential equations to solve engineering-related problems

Indicative Content

- Graphs and trigonometric waves
- Algebraic expressions and equations
- Complex number forms, expressions, and equations
- Logarithms & exponentials
- Trigonometry
- Matrices and simultaneous equations
- Differentiation and integration techniques in an engineering context
- Differential equation techniques in an engineering context

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Collaborative Tutorials	15%	1-3	Percentage	Must pass with minimum 50% overall
Tests	35%	1-3		
Exam	50%	1-3		

Programming for Engineers (Programming 1)

SMS Code	EE506001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme *Name of other Programme:*			

Aim

To introduce students to the concepts of program design and programming fundamentals for engineering

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Decompose a simple problem into a series of computer operations
2. Use one logic depiction method and apply it to appropriate simple tasks
3. Create programs using basic programming constructs and simple data structures
4. Implement routines as functions and as procedures and apply common methods to access files within an application

Indicative Content

- Program Design
- Algorithms
- Structured diagrams UML
- If statements, Nested Ifs, Switch statements
- Loops
- Arrays
- Data Types and Records
- Reading Files of Records
- Text files
- Version control

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Assignment	20%	1-4	Percentage	Must pass with minimum 50% overall
Tests	70%	1-4		
Lab tasks	10%	1-4		

Engineering Mechanics

SMS Code	EE507001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme No *Name of other Programme:*			

Aim

To enable students to analyse the fundamental principles and laws of mechanics

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Analyse static forces in mechanics and their relationship to engineering applications
2. Analyse dynamic force systems and their relationship to engineering applications
3. Analyse the principles of fluids for solving engineering-related problems

Indicative Content

- Basic mechanical theory as applied to 2-dimensional systems
- Systems of static loads and simple frameworks
- Shear force and bending moment diagrams
- Friction on level and inclined surfaces
- Centroid and Centre of Gravity
- Linear and angular motion
- Forces and motion
- Work and energy
- Relative motion
- Principles of fluids

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Tests	30%	1,2	Percentage	Must pass with minimum 50% overall
Laboratories	20%	1,2		
Exam	50%	1-3		

Platforms and Devices for Engineering (Engineering Computing)

SMS Code	EE508001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme: *Name of other Programme:*			

Aim

To enable students to use a range of devices, platforms and concepts utilised within the IT and engineering industry

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Use and recall systems tools, command line and scripting to configure, maintain, and secure operating systems in local and virtual settings.
2. Identify, explain, install and troubleshoot typical faults (both hardware and OS) for the main components of a computer.
3. Connect and configure a range of devices to enable network functionality

Indicative Content

- Installing, configuring and selecting PC hardware components
- Operating systems installation and maintenance (systems tools)
- Bootloaders
- Overview of operating systems (mobile, desktop, service, etc.)
- Use a VM & develop basic understanding of virtualisation
- Formats (media formats; open vs. binary)
- Basic use of transmission protocols (e.g. FTP, SSH)
- File systems
- Backup and RAID systems
- Troubleshooting hardware and software
- Connecting and configuring devices (Bluetooth, Wi-Fi, printers, etc.)/Mounting drives
- Command line proficiency
- Basic network configuration
- ‘Embedded’ (Raspberry Pi, Arduino, Development platforms)
- Environmental impact of IT
- Identify sustainability issues involved in purchasing, using and disposing of devices.

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Exam	40%	1,2	Percentage	

Skills-based Assessment	40%	2,3		Must pass with minimum 50% overall
Assignment	20%	1,2,3		

Electronic Principles

SMS Code	EE509001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme No *Name of other Programme:*			

Aim

To enable learners to apply general electronic skills to basic circuits

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Explain fundamental principles of digital and analogue electronics.
2. Apply electronic principles to basic electronic circuits.
3. Demonstrate the use of electronic measuring equipment.

Indicative Content

- Thevenin's theorem, superposition theorem and maximum power transfer theorem.
- Combinational logic circuits, sequential logic, registers, counters and encoders.
- Diodes, rectification and smoothing. Simple Zener and three-terminal regulated power supplies. Switching power supplies.
- Linear and switching operation of BJT and MOSFET devices.
- Operational Amplifier theory and applications.
- Electronic meters, oscilloscope, function generators and component testers.

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Assignments	30%	1-3	Percentage	Must pass with minimum 50% overall
Laboratories	20%	1-3		
Test	50%	1-3		

Material Science

SMS Code	EE510001	*Teacher-directed learning hours*	150
Level	5	*Authentic work experience learning hours*	
Credits	15	*Student-managed learning hours*	
Prerequisites	No	*Total Learning Hours*	150
NQF Unit standards assessed in this course: No			
This course approved in another Programme No			

Aim

To enable students to recognise the characteristics and properties of common engineering materials and elements of biology and chemistry relevant to mechanical and process engineering.

Learning Outcomes

At the successful completion of this course, students will be able to:

1. Explain basic materials science chemistry and specify methods to change material properties
2. Test and analyse properties of materials used in engineering
3. Apply selection criteria for engineering materials and identify likely causes of material failure

Indicative Content

- Characteristics and properties of ferrous and non-ferrous metals, iron-carbon diagram, steels, cast iron, ferrous alloys, cold & hot working.
- Other materials such as ceramics, plastics, composites, timber and concrete
- Material testing, physical properties, tensile, compressive, fatigue, and NDT testing to relevant standards.
- Heat treatment processes and effects.
- Surface hardening processes.
- Surface coatings.
- Fibre reinforced composites, types of materials, types of reinforcements.
- Selection of materials for engineering applications.
- Case study approach to chemistry and biology covering processes relevant to industries such as HVAC, food production, fuel production, waste treatment, natural raw material processing (eg timber, meat, animal fibre, minerals etc)

Assessment

Assessment Activity	Weighting	Learning Outcomes	Assessment Grading Scheme	Completion Requirements
Assignment	20%	1,3	Percentage	Must pass with minimum 50% overall
Project / Lab	30%	1-3		
Test	50%	1,2		