

St. Olaf College



INTERNATIONAL STUDIES ABROAD

Handbook

Contacts

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Please note that this itinerary is subject to change and is for reference only. You will receive an updated electronic version of the first half of the program itinerary upon your arrival into Auckland. You will receive the updated second half of the itinerary electronically mid-way through the program.

Itinerary

St. Olaf College
Environmental Sciences in New Zealand/Australia

February 5th – 22nd May, 2018




INTERNATIONAL STUDIES ABROAD

Prepared by ISA

Monday, 5 February 2018		Auckland, New Zealand
2:30 pm	Flight arrives at Auckland Airport; Meet program directors Jan Fitz-Gerald and Susie Scott at Auckland Airport.	
	Board coach for transfer to downtown Auckland and accommodation	
4:00 pm	Arrive at YHA Hostel (5 Turner Street, Auckland; +64 9 3028 200)	
5:30 pm	Introduction, YHA meeting space. Jan and Sue will lead a short introduction to New Zealand and provide information on the activities for tomorrow.	
	Walk to waterfront as a group	
7:00pm	Welcome Dinner Location TBC	
	Return to YHA	
Tuesday, 6 February 2018		Auckland
7:00 am	Breakfast at hostel included in program Continental style.	

9:30 am **Coach departs from outside YHA reception for transportation to Waitangi Day Ceremony**

10:00 am **Waitangi Day Ceremony at Orakei, Tamaki Drive (public event) **

Hosted by Ngāti Whātua Ōrākei (Iwi, tribe of Auckland)

Every year on 6 February, New Zealand marks the signing of the Treaty of Waitangi in 1840. In that year, representatives of the British Crown and over 500 Māori chiefs signed what is often considered to be New Zealand's founding document. The day was first officially commemorated in 1934, and it has been a public holiday since 1974.

For some people, Waitangi Day is a holiday; for many, and especially for Māori, it is the occasion for reflecting on the Treaty. Since the 1970s the style and mood of the commemorations on Waitangi Day have been influenced by the increasingly heated debate surrounding the place of the Treaty in modern New Zealand.

Waitangi Day is recognised as New Zealand's national day, but the long-standing tensions associated with it are always likely to surface in one form or another. The date is an important marker in the country's history. Recognition of the significance of the Treaty of Waitangi as the nation's founding document will continue to encourage leaders, communities and individuals to mark the day in new ways.

12:00 pm **Walk to Mission Bay (15 minutes), casual lunch, own arrangements**

1:00 pm **Walk to Kohimarama Beach, Kohi Yacht Club classroom, upstairs**

The New Zealand Story

Including program orientation, clarification and objectives, Q&A, briefing for Day three. An introduction to New Zealand - the country, history, people, facts and figures, culture, custom and language.

Speaker: Jan Fitz-Gerald

Unscheduled time after briefing for lecture/discussion led by St Olaf faculty

5:00 pm **Time on the beach.** Rugs, balls and towels provided.

Dinner, return to YHA at your leisure by public bus on Tamaki Drive

Wednesday, 7 February 2018

Auckland

7.00am **Group breakfast** at hostel, continental style

8.30am **Group meet at YHA reception, walk to AUT University (10 minutes)**

9.00am **Official welcome to Aotearoa New Zealand with a traditional Powhiri by Maori faculty held at the AUT University Marae,** Followed by customary morning tea

Pōwhiri

It is important to New Zealanders that we welcome international delegations with a traditional Māori welcome on a Māori marae (meeting house). Our indigenous people perform a ceremony that includes being welcomed onto their marae, speeches, song and food. This is a very special occasion and provides lasting memories for attendees. The group is expected to sing a national song after their leader speaks on behalf of the group. Females should not wear jeans or trousers.

A pōwhiri ('poor-fee-dee') is a traditional Māori welcoming ceremony. It was originally used to challenge a visiting party and find out their intentions. Though the pōwhiri has a basic structure, there are variations, depending on the occasion. A pōwhiri usually involves a wero (challenge) from a warrior and a karanga (welcome call) from a female host. This is followed by whaikōrero (welcome speeches). Following the speeches, waiata (songs) are often sung and then visitors hongi – press noses together in a traditional Māori greeting.

10.00am **New Zealand Culture and Anthropology, introduction**

Presented by Jason King, AUT

AUT Marae

An introduction to the Maori people, culture, history and comparisons

11.00am **Indigenous Worldviews** 📖
*Presented by Jason King, AUT
AUT Marae*
Issues, challenges, barriers and successes over time

12 noon **Lunch**

1.00pm **Empowerment of Indigenous People or Te Ao Hurihuri: Contemporary Maori Issues**
*Presented by Dr Ella Henry
AUT Marae*
Some of the issues and challenges of Maori communities and organisations intent on retaining Maori/tribal cultural values, beliefs and practices in the post Treaty settlement environment.

2.00pm **Treaty of Waitangi** 📖
*Presented by Prof Paul Moon
AUT Marae*

3.00pm **Closure, Q&A**

3.30pm **Return to YHA, dinner**

Note: Buy food to take packed lunch for following day

Thursday, 8 February 2018

Auckland

7.00am **Group breakfast at hostel, continental style**

9.30am **Coach departs from outside reception YHA Hostel – have you packed your lunch? Do you have your swimsuit?**

Travel to Goat Island

Goat Island Marine Reserve

Cape Rodney to Okakari Point Marine Reserve is New Zealand's oldest and best known marine reserve and the University of Auckland's Leigh Marine laboratory sits immediately adjacent to the reserve. Your visit will include a guided snorkel tour of the reserve followed by interactive lecture about the marine environments of New Zealand including structuring components. Other topics such as trophic cascades, marine reserve design and monitoring techniques will also be covered.

11.00am **Snorkel tour of Goat Island Bay**

12.30pm **Lunch**

1.00pm **Interactive lecture: Marine Environments of New Zealand and structuring components** 📖
Presented by Dr. Tim Haggit
Trophic cascades and interactions, Marine reserve design and monitoring techniques

2.30pm **Discovery Centre: Introduction to the Institute of Marine Science**
Presented by Dr. Tim Haggit
Research covering marine mammals; shark migration; lobster research; underwater sound; photosynthesis; species identification and zonation; sea urchin ecology and morphology.

4.00pm **Depart Goat Island via Matakana for Auckland**

Note: please pack for early morning departure.

Friday, 9 February 2018

Auckland - Rotorua

- 6.00am** **Group breakfast at hostel, continental style**
- 7.00am** **Coach departs from outside reception YHA Hostel for Waitomo Caves**
- 10.50am** **Waitomo Caves private group talk and tour** 📖

Waitomo Caves

The glow worm, *Arachnocampa luminosa*, is unique to New Zealand. Thousands of these tiny creatures radiate their unmistakable luminescent light as our expert guides provide informative commentary on the Caves' historical and geological significance.

While your professional guide and expert is talking, you will enjoy the world famous boat ride under thousands of magical glowworms and become a part of over 120 years of cultural and natural history.

- 12 noon** **Lunch at Waitomo Café**
- 1.00pm** **Depart Waitomo**
- 2.30pm** **Tour of Hobbiton (meet at Shire Café), 2 hours (own cost)**
- 4.30pm** **Depart for Rotorua**
- Dinner**

Accommodation:

YHA Hostel, 1278 Haupapa Street, Rotorua Telephone +6407 349 4088

Saturday, 10 February 2018

Rotorua

- 6.00am** **Group breakfast at hostel, continental style**
- 9.00am** **Coach departs from outside reception YHA Hostel**
- 9.30am** **Te Puia Maori Village** 📖

Powhiri welcome, cultural performance, village tour and special talk titled Wera me te Ahi Korero by Taparoto Nicholson

Te Puia spans 70 hectares within the historic Te Whakarewarewa Geothermal Valley, on the edge of Rotorua. It is home to the world famous Pōhutu geyser, mud pools, hot springs and silica formations. You will also find the native Kiwi bird and the national schools of wood carving, weaving, stone and bone carving. They have shared these taonga (treasures) with manuhiri (visitors) for over 170 years and proudly continue that tradition today.

Wera me te Ahi Korero, This korero (talk) links geothermal landscapes to culture through sharing an understanding of traditional occupation and waiata/moteatea.

A hangi or steam box lunch is included in the program

- 2.00pm** **Depart Te Puia, return to YHA Hostel or drop off in town centre for walking tour of geothermal areas and architecture.** (Partial museum site open due to earthquake damage).

Own time for remainder of afternoon

Dinner

Sunday, 11 February 2018

Rotorua to Wellington

7.00am **Group breakfast at hostel**, continental style

9.00am **Coach departs from outside reception YHA Hostel for Wellington** 📖

It is intended that the coach takes us via Wairakei Geothermal area (visitor centre now closed); to the Huka Falls and through Taupo township. Subject to timing we may pass alongside Tongariro National Park

Dinner

Accommodation: YHA Wellington 292 Wakefield Street, Te Aro, Wellington 6011, +64 4 801 7280

Monday, 12 February 2018

Wellington

6.00am **Group breakfast at hostel**, continental style

8.15am **Meet at Reception and walk to Te Papa National Museum**

10.00am **Presentation and tour of Te Papa National Museum** 📖

Lunch (option to have at Zealandia)

1.30pm **ZEALANDIA Eco Sanctuary talk and tour** (may remain longer than formal part) 📖

ZEALANDIA Eco Sanctuary

ZEALANDIA is the world's first fully-fenced urban ecosanctuary, with an extraordinary 500-year vision to restore a Wellington valley's forest and freshwater ecosystems as closely as possible to their pre-human state. The 225 hectare ecosanctuary is a groundbreaking conservation project that has reintroduced 18 species of native wildlife back into the area, 6 of which were previously absent from mainland New Zealand for over 100 years.

3.30pm **Guided tour finishes, departure approximately 4.30pm**

Dinner

Tuesday, 13 February 2018

Wellington

7.00am **Group breakfast at hostel**, continental style

8.30am **Lecture on Cultural Policy (local professor) TBC** 📖


Public Policy Environment: How Māori rights and interests are interpreted through NZ legislation and public policy. Outline of the major environmental legislation in NZ

Addressing Grievance: Exploration of the components of a Treaty Settlement Package, summary of modern examples of how NZ environmental policy has evolved including:

- the Whanganui River Personhood Status
- the Waikato River Co-Management Arrangements

- the gifting of Aoraki (otherwise known as Mount Cook)
- Right of First Refusal for Crown Owned Assets

Moving Forward: The Māori Economy in the Post-Treaty Settlement Environment, Emerging issues – The Kermadec Island Ocean Sanctuary

12 noon	Lunch
12.45pm	Parliament Buildings , How Parliament Works in New Zealand 
2.00pm	Observe House in sitting (pending notice)
	Dinner
	T20 Cricket

Wednesday, 14 February 2018

Wellington

7.00am	Group breakfast at hostel, continental style
	Study day
	Lunch
	Dinner

Thursday, 15 February 2018


Wellington to Nelson

6.00am	Group breakfast at hostel, continental style
7.30am	Coach departs from outside reception YHA Hostel for ferry terminal
9.00am	Ferry departure for Picton, South island
12.15pm	Arrival in Picton, met by South Island coach, travel to Nelson
	Dinner

Accommodation: YHA Nelson 9 Rutherford St, Nelson, 7010, +64 3 545 9988

Friday, 16 February 2018

Nelson

7.00am	Group breakfast at hostel, continental style
	Walk to Department of Conservation Office
10.00am	One hour talk about the local area from an marine and policy perspective <i>Presented by Hans Stoffregen</i>
11.00am	Discussions and lunch
1.30am	Kaimira Vineyard, invasive organism management (vineyard pests and diseases) 

Kaimira Vineyard, 97 Livingston Road RD 1 Brightwater

Kaimira is part of New Zealand Winegrowers' Sustainable Winegrowing (SWNZ) programme in 1995 – that's before their first vines were planted! After eight years of achieving formal Carbon Zero certification under Landcare Research's internationally-accredited scheme we now operate our own in-house programme to measure and manage greenhouse gas emissions. In June 2012 all our vineyards were certified organic by AssureQuality and our winery was certified organic from April 2013. In November 2012, they were named "New Zealand Sustainable Business of the Year" for the Southern and Central regions in the Sustainable Business Network Awards. In May 2015, they were named Sustainable Vineyard of the Year in the New Zealand Organic Wine Awards.

Dinner

Saturday, 17 February 2018

Nelson

6.00am **Group breakfast at hostel**, continental style

8.30am **Coach departs from outside reception YHA Hostel.** Bring lunch, swimsuits and good walk shoes

Travel to Golden Bay (it is a winding road, note vehicle sickness)

We visit the whale stranding site of 2016 and other important locations described by the DOC speaker on Day twelve. Time for a beach walk and swim if weather permits.

Golden Bay

Golden Bay is an extraordinary natural environment at the top of the South Island.

It is a region with endless variety, where golden beaches, alpine valleys and tranquil fishing rivers share a close proximity with the sea. It has breathtaking scenery, arts and crafts, and sporting activities.

Golden Bay is nestled into the South Island's north-west corner. A chain of steep and rugged mountains cuts its fertile river plains and valleys from the rest of the island.

Dinner

Sunday, 18 February 2018

Nelson to Christchurch

6.00am **Group breakfast at hostel**, continental style

7.00am **Coach departs from outside reception YHA Hostel**

Lunch

12.45pm **Boat departs for whale watching**

Whale Watch

Kaikōura is one of the few places in the world where Sperm Whales can be seen year-round and close to shore. They congregate here because the 3km deep Kaikōura Canyon runs right up against the coast creating a rare system of sea currents that sustain an incredibly rich marine food chain. Sperm Whales are at the top of this food chain and the abundance of fish ensures they make the waters of Kaikōura their home.

Whale Watch is a multiple national and international award winning New Zealand nature-based Tourism Company owned and operated by the indigenous Ngāti Kuri people of Kaikōura, a Māori sub-tribe of the South Island's larger Ngāi Tahu Tribe. Whale Watch was formed in 1987 at a time when Māori were casualties of Kaikōura's declining economy. At this time of difficulty, Ngāti Kuri leaders like (The late) Bill Solomon believed the local Sperm Whales held the answer to the unemployment problems of the Māori community. They knew their ancestor Paikea had journeyed to a new life in New Zealand on the back of the whale Tohorā. It seemed appropriate for Paikea's descendants to again ride on the back of the whale to a new life and prosperity.

4.00pm **Impact on Seabed and marine life post-earthquake** 

Presented by Lisa Bond

Kaikōura, earthquake impact

The 2016 Kaikōura earthquake was a magnitude 7.8 (Mw) earthquake in the South Island of New Zealand that occurred two minutes after midnight on 14 November 2016 NZDT.

The earthquake started at about 15 kilometres (9 mi) north-east of Culverden and 60 kilometres (37 mi) south-west of the tourist town of Kaikōura and at a depth of approximately 15 kilometres (9 mi). Ruptures occurred on multiple fault lines in a complex sequence that lasted for about two minutes. The cumulative magnitude of the ruptures was 7.8, with the largest amount of that energy released far to the north of the epicentre.

The large magnitude of the quake is second to only one New Zealand earthquake since European settlement of the country. Over \$900 million in insurance claims were received. There were two deaths, in Kaikōura and Mount Lyford.

A 110km stretch of the Kaikōura Coast was uplifted following the quake killing off marine species and damaging the coastline irreparably as parts of it rose up to 6 metres.

Initially, the reef was only under water for about four hours a day leaving some of the marine species to dry up under the sun, and instead becoming home to an abundance of green algae - a sign of an unhealthy ecosystem.

5.00pm **Travel to Christchurch**

Dinner

Accommodation: YHA Christchurch 36 Hereford St, Christchurch Central, Christchurch 8013, +64 3 379 9536

Monday, 19 February 2018

Christchurch

7.00am **Group breakfast at hostel**, continental style

8.450am **Coach departs from outside reception YHA Hostel**

9.00am **Earthquake Rebuild 101, University of Canterbury** 📖

Presented by Dr Billy Osteen, University of Canterbury

Intro classroom session, Walking tour of social innovation sites in CBD, Coffee & Jam session (special to UC), Finish walking tour and go to Sumner (TBC) to see beach and different type of damage out there

Lunch (see above)

3.00pm **Depart from University or Sumner beach**

Dinner

Tuesday, 20 February 2018

Christchurch

6.00am **Group breakfast at hostel**, continental style

10.30am **Coach departs from outside reception YHA Hostel**

11.00am **International Antarctica Centre** 📖

In 1990 Christchurch International Airport Ltd. wanted to create a visitor centre showing people why the airport is so important for Antarctic scientific programmes. They commissioned Tim Hobson, an Australian now living in New Zealand, who had spent a lot of time in Antarctica, to create a visitor attraction. The airport wanted people to understand that Christchurch is a Gateway to Antarctica. Gateway means that lots of different organisations leave from Christchurch International Airport to travel to Antarctica.

The Antarctic Attraction was built on a site where there were already other Antarctic programmes operating. It opened in 1992 and has won lots of awards for being a successful tourist site in Christchurch and Canterbury. Antarctica is unique, a place of extremes... Virtually uninhabited, and classified as a desert, this awesome landscape is the coldest, driest and windiest place on earth. It's a hostile environment that's incredibly dangerous, yet still radiates a magical feeling across its vast wilderness of white.

More than 98% of Antarctica's landmass is covered in ice, secrets kept within the ice hold the key to understanding the world's environmental changes and impact on our ecosystems. This intriguing wilderness is also home to enchanting penguins, seals and wildlife and features spectacular seasonal light displays (auroras), stunning glaciers, ice formations and pressure ridges – all still as interesting today as it was to the first great Antarctic explorers. Antarctica is quite simply one of the world's most amazing places.

1.00pm **Lunch**

2.00pm **St Olaf teaching time, YHA room reserved**

Dinner

Wednesday, 21 February 2018

Christchurch

8.00am **Group breakfast at hostel, continental style**

Study day

Thursday, 22 February 2018

Christchurch to Aoraki Mount Cook

7.00am **Group breakfast at hostel, continental style**

8.00am **Coach departs from outside reception YHA Hostel (all day travel) to Aoraki Mount Cook **

Lunch and time in Tekapo, visit the Church of the Good Shepherd

Dinner

Accommodation: YHA Mount Cook 4 Bowen Dr, Mount Cook National Park 7946, +64 3 435 1820

Friday, 23 February 2018

Aoraki Mount Cook

6.00am **Group breakfast at hostel, continental style**

8.00am **Department of Conservation talk **

Presented by Andrew Oliver, Department of Conservation

Mt Cook, the tallest mountain in New Zealand, helped Sir Edmund Hillary to develop his climbing skills in preparation for the conquest of Everest.

Aoraki Mount Cook National Park is home of the highest mountains and the longest glaciers. It is alpine in the purest sense - with skyscraping peaks, glaciers and permanent snow fields, all set under a star-studded sky.

According to Ngai Tahu legend, Aoraki and his three brothers were the sons of Rakinui, the Sky Father. While on a sea voyage, their canoe overturned on a reef. When the brothers climbed on top of their canoe, the freezing south wind turned them to stone. The canoe became the South Island (Te Waka o Aoraki); Aoraki and his brothers became the peaks of the Southern Alps.

Although it encompasses 23 peaks over 3000 metres high, this park is very accessible. State Highway 80 leads to Aoraki/Mt Cook Village which is situated beside scenic Lake Pukaki and provides a comfortable base for alpine activities. Far from city lights, the stargazing here is magnificent - Aoraki Mount Cook National Park forms the majority of

Presentation overview: A generic presentation / discussion of the South Island High Country in the context of Aoraki / Mt Cook National Park. The audience is introduced to plate tectonics, NZ as a remnant of Gondwana and why Aoraki / Mt Cook National Park is a world heritage site, NZ's unique flora and fauna, the arrival and perspectives of Maori & British colonists culminating in current issues faced by DOC around visitor carrying capacity from environmental, social and managerial perspectives.

9.00am **Hooker Valley walk (DOC speaker escorts group for first 40 minutes) 2 hours approximately**

Afternoon **Visit the Sir Edmund Hilary Centre**

Dinner

Note: night sky watching

Saturday, 24 February 2018

Aoraki Mount Cook to Oamaru

8.00am **Group breakfast at hostel, continental style**

9.00am **Coach departs from outside reception YHA Hostel**

Travel via the hydro manmade dams of Aviemore and Benmore, small township of Kurow and down the Waitaki Valley (Maori carvings along the way) to Oamaru.

Waitaki hydro scheme

Meridian manages about 50 percent of New Zealand's total hydro storage, operating the Waitaki hydro scheme and the Manapōuri hydro station.

The Waitaki hydro scheme includes eight power stations from Lake Tekapo to Lake Waitaki in the MacKenzie Basin. Meridian operates stations at Lake Ōhau, Benmore, Aviemore and Waitaki, and Genesis Energy operates the two stations linked by the Tekapo canal.


Takiroa Rock Art Shelter (c. 1400-1900)

Window on a lost world

North Otago and South Canterbury have the lion's share of New Zealand's rock art sites. Half a millennium ago the valley of the Waitaki River was a well-trodden seasonal hunting and fishing route. Takiroa occupied a strategic position, offering advance warning of the approach of strangers or bad weather. The conspicuous limestone caves and overhangs also gave welcome shelter on cold southern nights, a fact still appreciated by sheep and cattle.

No one knows who first daubed charcoal and red ochre on these walls. The images range from abstract forms to bird and animal life and people. The presence of bones from moa and the extinct quail suggest that they started early. There may have been a long break in continuity, because 19th-century Ngāi Tahu said that they did not know who had put the work there. Depictions of European sailing ships and animals, however, suggest that someone revived the tradition. Takiroa is a remarkable record of a vanished world. As the conservation plan states, 'regardless of the precise dates of this chain of events, ... the landscape in which Takiroa stands, and which was familiar to the people who created this artwork, may have undergone major change a few hundred years ago. Massive deforestation caused by fires, probably mainly human-induced, ravaged the South Island East Coast and produced the familiar landscape we erroneously think timeless.'

5.00pm **Arrive housing**

7.00pm **Dinner**  included in program, location TBC

9.00pm **Blue Penguins viewing**

Accommodation: Old Bones Lodge Kakanui 468 Beach Rd, Oamaru 9495, +64 3 434 8115

Sunday, 25 February 2018

Oamaru to Dunedin

6.00am **Group breakfast at motel**, continental style (provided in rooms)

9.00am **Coach departs**

9.30am **Moeraki Boulders** 📖

Presented by Andrew Oliver, Department of Conservation

The Moeraki Boulders are a group of very large spherical “stones” on Koekohe Beach near Moeraki on New Zealand’s Otago coast. These boulders are actually concretions that have been exposed through shoreline erosion from coastal cliffs that back the beach.

The boulders are one of the most fascinating and popular attractions on the South Island.

Some of the boulders weigh several tonnes and are up to 3 metres in diameter!

Maori legend tells that the boulders are remains of calabashes, kumaras and eel baskets that washed ashore after the legendary canoe, the Araiteuru was wrecked at nearby Shag Point (Matakaea).

12.30pm **Lunch**

1.30pm **Orokonui Ecosanctuary** 📖

Orokonui Ecosanctuary is the flagship biodiversity project for the South Island where multiple species of plants and animals are protected from predators. A predator fence surrounds 307 hectares of Coastal Otago forest, pests have been removed, habitat enhanced with weed control and planting, and many rare and endangered species re-introduced.

Its vision is to be a healthy, self-sustaining ecosystem, free of all introduced mammals and comprising indigenous species that are appropriate to the Orokonui forest, where people can enjoy a peaceful encounter with nature, and from which they may take recreation, refreshment, new knowledge, new skills and a new commitment to conservation.

3.30pm **Depart for Dunedin**

Dinner

Accommodation: George Street Motel 575 George Street Dunedin +64 3 477 9333

Monday, 26 February 2018

Dunedin

7.00am **Group breakfast**, continental style (in rooms)

8.30am **Coach departs for Marine Studies Centre, University of Otago**

9.00am to 12 noon **Program with Centre** 📖

Down Under – Marine Life of Southern NZ. Dimensions of stability and change!

9.00 am Arrive New Zealand Marine Studies Centre; reception area: Welcome and outline of programme

Seminar room: ‘Marine Life Down Under: where, when, what, why, who, how?’ (Illustrated introduction)

9.25 am The rocky shore. Interpretation of the Intertidal (low tide of 0.3m at 7:07 am)

10.00 am Seminar room/Lab

- Marine Studies at Portobello: global and local.
- An evolutionary perspective.
- Activity: measuring and describing variation in a population.
- Genetic, ontogenetic, epigenetic.
- Demonstration: Simulation of allopatric speciation in NZ context.

10.45 am Tour of PML facilities with interpretation of research being carried out at the present time.

11.20 am New Marine science teaching lab. Experimental activity: impact of multiple stressors on invertebrate behaviour in a climate change context.

11.50 am Review

12 noon Farewell and Depart NZMSC

Speaker: TBC (Tessa Mills)

Clothing: For sessions at the Marine Studies Centre, participants should bring warm outdoor clothing, wet weather gear and boots or sturdy shoes for walking on the shore. Inside the laboratory it is compulsory to wear covered shoes (i.e. not open-toed sandals).

Lunch at Portobello

1.00pm Afternoon session to be confirmed, tour of Otago University campus

Dinner

Tuesday, 27 February 2018

Dunedin

7.00am Group breakfast at hostel, continental style

9.15am Coach departs from outside reception

10.00am Blue Penguin Tagging Program talk

10.30am Royal Albatross Colony 

Introduction about the lifecycle and short film, then a short walk up to our viewing observatory to view some of the albatross nesting, seeing albatross in flight and other activities.

12 noon Lunch

1.30pm Blue Penguin Beach clean up, Pilots Beach

4.00pm Return to Dunedin

Dinner

Note: Pack lunch for tomorrow.

Wednesday, 28 February 2018

Dunedin to Queenstown

6.00am Group breakfast at hostel, continental style

7.00am Coach departs from outside reception YHA Hostel. Prepare packed lunch to bring.

11.00am Arrive Pearl Harbour Manapouri to board Meridian's boat the Mararoa

Mararoa sails across Lake Manapouri for West Arm – approximately 50 minutes to an hour. During trip high-level overview of the Manapouri power scheme development and operation if noise levels permit

Visit the Department of Conservation visitor centre to view the Manapouri Power Scheme models and information boards and an over overview of the station generation

Sail back to Pearl Harbour – commentary on environmental aspects of operation

Bus to Manapouri Lake Control structure look out

Commentary on operation and environmental challenges

Bus to Te Anau Lake Control Structure for completion of discussion on environmental challenges

Manapouri Dam Presentation and Tour 📖

Presented by Christ Thomson

Manapouri Power Scheme environmental setting in Fiordland National Park and World Heritage Area

Overview of Manapouri power generation and role within NZ generation system

Development of the Manapouri Power Scheme in 1970's and NZ's first large environmental campaign

Challenges of operation including remote location and within a National Park

Environmental challenge and parameters for operation set by resource consents and Lake Level Guidelines

Note: you will need to take lunch and drinks. There are no facilities to buy anything at West Arm or on Meridian's boat – other than complimentary tea coffee and water on the boat.

3.30pm Depart for Queenstown

Dinner

Accommodation: YHA Queenstown Lakefront 90 Lake Esplanade, Queenstown 9300, +64 3 442 8413

Thursday, 1 March 2018

Queenstown

7.00am Group breakfast at hostel, continental style

9.00am Coach departs from outside reception YHA Hostel

10.30am Farm visit, Earnsclough Station, High Country Merino Stud and Cattle Breeders, Alexandra 📖

Lunch

Tour of local area and wine region

Dinner

Friday, 2 March 2018

Queenstown

7.00am Group breakfast at hostel, continental style

9.00am Coach departs from outside reception YHA Hostel

10.00am AJ Hackett Bungy Story, talk and tour 📖

AJ Hackett Bungy Sustainable Business Practice and Risk Management

Located at the gateway to Queenstown on State Highway 6 in Gibbston Valley, the Kawarau Bungy Centre is a 'must-visit' destination. Not stopping in would be like going to Paris and not seeing the Eiffel Tower. This is the 'World Home of Bungy' – where it all began. The Bungy Centre clings from a cliff face above the gorge, getting up close and personal with the Bungy phenomenon – whether you're Jumping or not. See every Jump and Zipride while enjoying a tour.

Speaker: AJ Hackett education representative

Note: this does not include a bungy jump activity.

12 noon Lunch

1.00pm Adventure activity afternoon (previously arranged)

Dinner

Saturday, 3 March 2018		Queenstown
7.00am	Group breakfast at hostel, continental style	
	Study Day	
Sunday, 4 March 2018		Queenstown
7.00am	Group breakfast at hostel, continental style	
	Study Day	
Monday, 5 March 2018		Queenstown
7.00am	Group breakfast at hostel, continental style	
8.00am	Walk to Queenstown Resort College, meeting room, level 4	
8.30 am	New Zealand wrap up day with faculty	
	Day to be used for exams and class time at faculty discretion	
	Dinner	
Tuesday, 6 March 2018		NEW ZEALAND – MELBOURNE
7:00am	Group breakfast at hostel, continental style	
	Morning check out of accommodation	
	Day to be used for exams and class time at faculty discretion	
6:15 pm	Airport transfer for Flight Jet Star 220, 8.40pm departure	
	In Transit from New Zealand	
10:15pm	Flight Jetstar 220 arrives in Melbourne	
	You will be met by ISA Resident Director, who will guide you towards your private coach transport and accompany you to your accommodation.	
11:00pm	Private Charter Coach Transfer to your accommodation with Melbourne Bus Charters This journey takes approximately 1 hour depending on traffic	
11.30pm	Arrive at Clayton Monash Motor Inn Check in may not be available until after 2pm; if not you will be provided a secure room to store your luggage.	
ACCOMMODATION:		
Clayton Monash Motor Inn		
6 night's accommodation		
7 x serviced 2 bedroom apartments with kitchen facilities (3 and 4 person share)		
Leaders – 1 x queen ensuite room		

Check In: 6th March Check out: 12th March
Address: 1790 Princes Highway, Clayton, Melbourne, Victoria, 3160
Phone: 03 9544 0911

*****Note:** Apartments are equip with kitchens. A \$15 stipend per person will be given to buy groceries to prepare your own breakfast during your stay at Clayton Monash Motor Inn

Wednesday, 7 March – Monday, 12 March 2018


MELBOURNE


7:30am **Breakfast** – ISA provided stipend (use at restaurant en route to campus)

***Note:** Please be sure to allow yourself enough time this morning to walk to the venue and be there at least 5-10 minutes before lecture starts. Always bring pen, paper, and water along with you to the sessions.


****Note:** students will also receive a public transit card to use during their stay in Melbourne. Your MyKi card will be loaded with \$15 per person


8:00am **An ISA representative will meet you at Clayton Monash Motor Inn and escort you over to Monash University.**

9.00am **The Evolutionary Development of Terrestrial Vertebrate Animals (50 mins)** 
Presented by Richard Reina – Monash University
Location: Monash University Room G.19
15 innovation walk, Clayton VIC 3800

10.00am **Terrestrial Vertebrate Animals of Australia: An Overview (50 mins)** 
Presented by Richard Reina – Monash University
Location: Monash University Room G.19
15 innovation walk, Clayton VIC 3800

11:00pm **Lunch** – this is an extended lunch, which will allow you to catch public transit to the shopping centre to buy some groceries for breakfast and dinner during your stay in Clayton. ISA staff member will provide public transit cards and assist you getting from Monash University to the closest grocery store and back.

3.00pm **Australia’s Culturally Diverse Society (50 mins)** 
Presented by Helen Forbes-Mewett – Monash University
Location: Monash University Room G.19
15 innovation walk, Clayton VIC 3800

4.00pm **Studying Culture: An Australian Perspective (50 mins)** 
Presented by Helen Forbes-Mewett – Monash University
Location: Monash University Room G.19
15 innovation walk, Clayton VIC 3800

5:00pm **ISA Program Introduction – 45 mins**

Presented by ISA Melbourne Staff
Location: Monash University Room G.19
15 innovation walk, Clayton VIC 3800

This exclusive presentation is an introductory session which explores the differences and similarity between American culture and that of Australia. Essential safety advice is covered, as well as laws relating to the country to ensure a happy and safe stay. During the presentation, participants will receive a detailed course itinerary. The ISA representative will gladly answer any questions that may arise.

Dinner

Thursday, 8 March 2018

MELBOURNE

7.30am **Breakfast** – ISA provided stipend

9.00am **Influence on Aboriginal Australians from European Occupation in Australia (50 mins)** 

Presented by John Bradley – Monash University

Location: Monash University Room G.19

15 innovation walk, Clayton VIC 3800

10:00am **Representing Traditional Australian Aboriginality (50 mins)** 

Presented by John Bradley – Monash University

Location Monash University Room G.19

15 innovation walk, Clayton VIC 3800

11:00am **Break for Lunch**

1:00pm **Language and Aboriginal people (50 mins)**

Presented by John Bradley – Monash University

Location: Monash University Room G.19

15 innovation walk, Clayton VIC 3800

2:00pm **Recording Culture (50 mins)** 

Presented by John Bradley – Monash University

Location: Monash University Room G.19

15 innovation walk, Clayton VIC 3800

Babakiueria – (DVD 30 mins) followed by Discussion

Presented by St Olaf staff – St. Olaf College

Location: Monash University Room G.19

15 innovation walk, Clayton VIC 3800



6.00pm **Dinner**

Friday, 9 March 2018

MELBOURNE

7.30am **Breakfast** – ISA provided stipend

**Note: Please try to bring a packed lunch today, there will be places to eat at Healesville, however they can be expensive. Once you get to Healesville you will be directed straight into your educational talk, so ideally having something to eat on the bus ride out to the sanctuary would be ideal.

- 9:00am** **Liberal-Democracy and the Nature of the Modern Liberal-Democratic State (50 mins)** 
Presented by Nicholas Economou – Monash University
Location Monash University Room G.19
15 innovation walk, Clayton VIC 3800
- 10:00am** **The State, Democracy and Federal Environmental Management (50 mins)** 
Presented by Nicholas Economou – Monash University
Location: Monash University Room G.19
15 innovation walk, Clayton VIC 3800
- 11:15am** **Regroup at Clayton Monash Motor Inn and be ready for boarding when the bus arrives**
- 11:30am** **Depart Clayton Monash Motor Inn for Healesville with Melbourne Bus Charter**
This journey should take approx. 1 hour
- 12:00pm** **Lunch**
- 12:15pm** **Arrive Healesville Wildlife Sanctuary**
The sanctuary is set in bushland; a large habitat where wildlife can be observed up close. Sharing the paths are water birds strolling peacefully and overhead flocks of colourful parrots fly in and out of the trees. The Healesville Sanctuary is the perfect setting to view Australian wildlife. The sanctuary is home to over 200 species of Australian native birds, mammals and reptiles including a hospital that treats injured wildlife and breeding Programs of some 20 threatened species to protect and restore the species and return them to the wild habitat. Each year the sanctuary receives 1000 sick, injured or orphaned animals to care and return to the wild. Your entry fee (included) will contribute to this Program.
- 12:30pm** **Australian Wildlife Investigation (90 minutes)**
Gain an in-depth understanding into Australia endemic fauna as well as an understanding of the wildlife rehabilitation efforts/research projects undertaken by the Healesville arm of Zoos Victoria.
- 2:00pm** **End of the Australian Wildlife Investigation, time to explore Healesville.**
- 4:30pm** **Regroup at the entrance of Healesville Wildlife Sanctuary**
- 4:45pm** **Depart Healesville Wildlife Sanctuary for Clayton Monash Motor Inn with Melbourne Bus Charters**
- 6.00pm** **Dinner**
- 7:00pm** **Time for St Olaf faculty lecture/discussion/student presentations**

Saturday, 10 March 2018

MELBOURNE

7.30am **Breakfast**– ISA provided stipend

Study time

Sunday, 11 March

MELBOURNE

6.00am Breakfast– ISA provided stipend

Study time

Monday, 12 March (Labour Day – Victoria) - Thursday 15 March 2018

MELBOURNE – BIMBI PARK/CAPE OTWAY

7.30am Breakfast – ISA provided stipend

Check out of Clayton Monash Motor Inn. Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred. You will not be returning to this accommodation.

9:00am Board bus and travel to Bimbi Park/Cape Otways

11:00am Stop at Colac and pick up Mike Evans. Mike will be accompanying you during your time at Cape Otways

Introduction to Australian Geology, Flora, Fauna and History (on-going to Cape Otway) 

Presented by Mike Evans

Location: Bus – Great Ocean Road

As you travel today you will experience the sights of the Great Ocean Road. Experience one of the world's most breathtaking coastal drives. The journey along the Great Ocean Road features huge cliffs, raging surf, tranquil bays, lush rainforests, towering rock stacks and fascinating wildlife.

1.00pm Lunch. There will be cafes and take away places at Port Campbell

1:30pm Continue down the Great Ocean Road with stops including Loch Ard Gorge and the Twelve apostles.

6:00pm Arrive at Bimbi Park in the Otways for Check In

Cape Otway, the centre of the Great Ocean Road and the Great Ocean Walk, an area of magnificent forests, beaches, secluded bays and spectacular coastline.

**Note: Linen included- blankets, towels, sheets, pillow. You will be supplied 3 x coins/tokens for the showers per person when you check in.*

Koala Spotting before dinner

Presented by Mike Evans

Location: Bimbi Park Grounds

7:00pm Dinner – Included in the Program at Bimbi Park Camp Kitchen

Accommodation

Bimbi Park

3 nights accommodation

Students - shared bunkrooms, Leaders/bus driver – cabin

Breakfast, lunch and dinner, included at Bimbi Park

Check in: 12th March Check out: 15th March

90 Manna Gum Drive
Cape Otway, VIC 3233 (03) 5237 9246

Meals included at Bimbi Park

- Breakfast x 3
- Lunch x 2 (+ 1 to go)
- Dinner x 3

Tuesday, 13 March 2018

BIMBI PARK/CAPE OTWAY

- 7.00am** **Breakfast** – Included in the Program at Bimbi Park Camp Kitchen
- *Note: You will need to make your packed lunch for today during breakfast. There will be assorted salads and meats out to make a sandwich or wrap.*
- 8:45am** **Regroup at Bimbi Park Reception for departure with Melbourne Bus Charters**
- 9:00am** **Interpretative walk at Pt. Lookout (approximately 3 hours)**
Presented by local guide Richard Collopy
Location: Pt. Lookout
You will explore the coastal environment in the area which will include geology, flora, fauna, and Koori (Aboriginal) culture. Koalas, wallabies, traditional uses of bush foods and plants, and food gathering sites.
- 12:15pm** **Packed Lunch** – Included in the Program (supplied by Bimbi Park)
- *Note: Everyone received/made a packed lunch at Bimbi Park this morning during breakfast. After your time ends with Richard Collopy you will be able to have your lunch at Pt. Lookout*
- 1:00pm** **Regroup & Depart for Otway Fly Treetop Walk with Melbourne Bus Charters**
- 2:15pm** **Interpretative Otway Fly Treetop Walk (2 hours)** 📖
Presented by Mike Evans
Location: Otway Fly Treetop Adventures
The rainforest walk is approx 2km in total and features a 600metre long and 30metre high steel structured treetop canopy walkway that takes you right into the treetops. It's the longest and tallest walkway of its type in the world!
- 4:15pm** **Regroup and Depart Otway Fly for Bimbi Park with Melbourne Bus Charters**
- 6:30pm** **Dinner** – Included in the Program at Bimbi Park
- 8:15pm** **Regroup and Depart Bimbi Park for Maits Rest with Melbourne Bus Charters**
- 9:00pm** **Glow-worm walk at Maits Rest**
Presented by Mike Evans
Location: Maits Rest
Enjoy tiny pinpricks of light gleaming and twinkling in the dark forest creating a magical effect. During the 9-month larval stage, the glow worms live in damp, dark places throughout the Otways, such as the soil banks and overhanging ledges along the walking tracks.

10:00pm Regroup and Depart Maits Rest for Bimbi Park with Melbourne Bus Charters

10:45pm Arrive back at Bimbi Park

Wednesday, 14 March 2018

BIMBI PARK/ CAPE OTWAY

7:45am Breakfast – Included in the Program at Bimbi Park

**Note: You will need to make your packed lunch for today during breakfast.*

8:45am Depart Bimbi Park for Conservation Ecology Centre with Melbourne Bus Charters

9:00am Visit Conservation Ecology Centre 

Presented by Jack Pascoe

Presentation on what research is happening at the Centre, a tour of the animal enclosures, a demonstration of the quoll detection dogs, a look at some of their revegetation sites and fuel reduction/ecological burn sites.

12:15pm Packed Lunch – Included in the Program (supplied by Bimbi Park)

3:15pm Return to Bimbi Park with Melbourne Bus Charters

4:00pm Exploration of Regeneration Burns at Bimbi Park and Cyril Marriner's

(property next door)

If time allows a walk out to Station Beach and Rainbow Falls on the coast.

6.30pm Dinner – Included in the Program at Bimbi Park

Thursday, 15 March 2018

BIMBI PARK/CAPE OTWAY TO PHILLIP ISLAND

7:45am Breakfast - Included in the Program at Bimbi Park

**Note: You will need to make your packed lunch for today during breakfast.*

8:30am Check out of accommodation and load luggage onto Melbourne Bus Charters

**Note: Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred during your stay. You will not be returning to this accommodation.*

Travel today via Lorne, Anglesea and Surf Coast (bells beach stop – if time permits) Make way to Geelong to drop Mike Evans off (BP station on Ring Road Geelong)

12:00pm Travel to Werribee Water Treatment Plant (WTP)

**Note: You will not be able to participate if you do not have the appropriate attire. Everyone MUST wear long pants and a long sleeved top. You MUST also wear flat sole, enclosed shoes at all times*

1.00pm Water Treatment Plant (3 hours)

This tour will consist of a 2 hour education tour and then 45 minute guided tour through the Discovery Center.

Your visit to the Water Treatment Plant (WTP) will review the following:

1. How sewage is processed and its impact on the environment in particular the impact on Port Phillip Bay.
2. The tour points out how methane gas is captured and used to produce electricity.

3. Talk about the activated sludge plant as part of our sewage processing and its impact on the nitrogen levels discharged into the bay.
4. How they produce recycled water that is used for the WTP farming activities.
5. Water recycling to produce Class A recycled water and one of its end use being the Werribee market gardens.
6. Talk about the RAMSAR listed WTP wetland and the biodiversity found at the WTP.

4.00pm **Regroup and depart Werribee Water Treatment Facility for Phillip Island**

7.00pm **Arrive and check in The Island Accommodation – Phillip Island**

8:00pm **Dinner** - included in the accommodation at the Island Accommodation Big Wave Café

Accommodation

The Island Accommodation – Phillip Island YHA

6 nights accommodation

Students shared 4 and 6 person dorm, leaders private room with ensuite

Check in: 15th March Check out: 21st March

Breakfast, lunch and dinner included at the Big Wave Café

10-12 Phillip Island Tourist Road

Newhaven, Vic 3922

Meals included at Phillip Island (The Big Wave Café)

- Breakfast x 6
- Lunch x 5
- Dinner x 5

Friday, 16 March 2018 – Wednesday March 21 2018

PHILLIP ISLAND

7.30am **Breakfast** – Included in the program at the Big Wave Café

****Note:** Please note that Phillip Island Nature Staff may change based on their work schedules.*

9:00am **Introduction to Phillip Island Nature Park (1 hour)** 

Presented by Nature Park Staff

Location: Island Accommodation conference room

10:00am **Understanding Research at Phillip Island Nature Park (1 hour)** 

Presented by Nature Park Staff

Location: Island Accommodation conference room

11:00am **Shearwater Presentation (1 hour)** 

Presented by Nature Park Staff:

Location: Island Accommodation conference room

12:00pm **Lunch** - included in the program at the Island Accommodation Big Wave Café

1:20pm **Depart for Cowes Jetty to Wildlife Coast Cruises with South Coast Buslines**

2:00pm **Seal Cruise to Seal Rocks (approx. 2 hours)**

With Wildlife Coast Cruises ranger

- 4:15pm** **Board South Coast Buslines Coach to take you back to your accommodation**
- 5:00pm** **Dinner** - included in the program at the Island Accommodation Big Wave Café
- 5:45pm** **Transfer to Cape Woolamai with South Coast Buslines**
- 6:00pm** **Cape Woolamai Walk and Shearwater Watch (3 ½ hours)**
Presented by Nature Park Staff
Location: Cape Woolamai
Learn of the area's importance to the indigenous people of the area and how Cape Woolamai has evolved and changed from a Granite quarry, surf beach and part of the Phillip Island Nature Parks, looking at the management strategies and plans of the area and understanding its importance to the migratory sea bird, the short tailed shearwater.
- 9:30pm** **Depart Cape Woolamai with South Coast Buslines for Island Accommodation**

Saturday, 17 March 2018

PHILLIP ISLAND

- 8:00am** **Breakfast** – included in the program at the Island Accommodation Big Wave Café
- 8:30am** **Study time**
- 12.00pm** **Lunch** – included in the program at the Island Accommodation Big Wave Café
- ***Note: you will be out for the remainder of the day and will not be returning until 10pm.
Please ensure you have everything you need for the duration of the day*
- 12:30pm** **Depart with South Coast Buslines for Penguin Parade for the remainder of today's activities**
- 1:00pm** **Thermoregulation and water balance**
Led by Nature Park Staff
Location: Penguin Parade
- 3:00pm** **Penguin Protection Program – Penguin Parade (1 hour)**
Led by Nature Park Staff
Location: Penguin Parade
- Work with rangers at Phillip Island on this interactive, educational ecotourism project to assist with enduring survival of the Penguins on Phillip Island. Build homes for the smallest Penguins in the world.
- 4:00pm** **Balancing Tourism and the Environment - Penguin Parade (2 hours)**
Presented by Nature Park Staff
Location: Penguin Parade Visitor Centre
- Ranger guided presentation looking at the Penguin Parades history, and how it has changed since the 1920's. Learn how they balance the visitation of over 500,000 people each year and their unique wildlife, environment and flora.
- 6:00pm** **Dinner provided at the Penguin Parade – Fish and Chips served at the Boardwalk Café.**
**Note: If you had turned in special dietary requests they will be catering for these needs.*

- 7:00pm** **Penguin Parade Visitor Centre to view displays (45 mins)**
Take this time to view the interactive and educational displays before the penguin parade starts.
- 8:00pm** **Penguin Parade Excursion**
The Phillip Island Penguin Parade is one of Australia’s most popular wildlife attractions. Every sunset, wild little penguins emerge from the sea and waddle across the beach to their sand dune burrows. Phillip Island is home to one of the largest little penguin colonies in the world.
The little penguin is the world’s smallest penguin species and the only penguin permanently found in Australia.
- 9:30pm** **Regroup and Depart the Penguin Parade for Island Accommodation with South Coast Buses**

Sunday, 18 March 2018

PHILLIP ISLAND

- 6.30am** **Breakfast** – included in the program at the Island Accommodation Big Wave Café
- 8:30am** **Depart Island Accommodation for Koala Conservation Centre with South Coast Buses**
- 8:45am** **Arrive at Koala Conservation Centre for Discussion**
- 9:00am** **Koala Conservation and Management (2 hours)**
Presented by Nature Park Staff- Graeme Burgan
Location: Koala Conservation Centre
- While up in the koalas natural habitat on tree top boardwalks, understand how koalas have adapted to their environment, what threats they face and how the nature park manage those threats. Learn of the research and conservation that the Nature Parks does to conserve the koala population on Phillip Island.
- 11:00am** **Saving Australia’s Wildlife (1 hour)**
Presented by Nature Park Staff- Graeme Burgan
Location: Koala Conservation Centre
- Build a nest box for Australia wildlife in need of a home! Saving Australia’s Wildlife program is a great opportunity to undertake hands on environmental work and discover more about the Australian environment and wildlife.
- 12:00pm** **Packed Lunch** – included in the program at the Island Accommodation Big Wave Café
- 12:15pm** **Board the coach with South Coast Buses and depart for Churchill Island**
- 12:30pm** **Arrive at Bridge to Churchill Island**
Your ranger will meet you at the bridge just before you cross to enter Churchill Island.
- 12:30pm** **Marine Park Investigation (2 hours)**
Presented by Nature Park Staff- TBC
Location: Churchill Island Surroundings
- Explore the marine national park surrounding Churchill Island on kayaks. Looking at the importance of the marine national park, the mangroves and the animals found in the area.
- 2:30pm** **Conclude Marine Park Investigation**

2:45pm **Depart Churchill Island for the accommodation with South Coast Buslines**

possible time for faculty lecture – if required

6:30pm **Dinner** – included in the program at the Island Accommodation Big Wave Café

Monday, 19 March 2018

PHILLIP ISLAND

6:45am **Breakfast** – Included in the Program at Island Accommodation Big Wave Café

***Note: Collect packed lunch from Island Accommodation prior to departing**

8.00am **Transfer with South Coast Buslines to Koala Conservation Centre**

8.15am **Management and Strategic Plans including Environmental Policy (60 mins)** 

Presented by Nature Park Staff

Location: Conference room at Koala Conservation Centre

9:30am **Environment Research Projects**

Nature Park Staff - Duncan Sutherland

Meeting Point: Conference room at Koala Conservation Centre

Wallaby survey: estimating swamp wallaby, *Wallabia bicolor*, abundance via a distance sampling survey. All of Phillip Island is being surveyed in stages so the exact location on a given day is currently unknown. Involves fieldwork searching for wallabies along pre-set transects and distance sampling statistics.

12:00pm **Packed Lunch** – included in the program at the Island Accommodation Big Wave Café

After lunch continue with research projects

4:30pm **Board the coach with South Coast Buslines and transfer back to accommodation**

6:00pm **Dinner** - included in the program at the Island Accommodation Big Wave Café

Tuesday, 20 March 2018

PHILLIP ISLAND

8.00am **Breakfast** – included in the program at the Island Accommodation Big Wave Café

7:45am **Board your Southcoast Buslines coach and head to snorkelling destination**

8:00am **Excursion: Snorkelling with Outthere**

10.00am **Conclude snorkelling and board your South Coast Buslines back to your accommodation**

12:00pm **Lunch** – Included in the Program by Big Wave Café

12:30pm **Board coach with South Coast Buslines to Rhyll Inlet**

1:00pm **Mangrove Quadrats – Rhyll Inlet (2 hours)** 

Presented by Nature Park Staff

Location: Rhyll Inlet



Perform transects and explore ecological topics such as succession and zonation through investigation of wetland eco-system. Collect data on flora and fauna as well as human impacts.

- 3.15pm** **Board the coach with South Coast Buslines and return to Island Accommodation**
- 3:30pm** **Arrive at Island Accommodation**
- 6.00pm** **Dinner** – included in the program at the Island Accommodation Big Wave Café

Wednesday, 21 March 2018

PHLLIP ISLAND TO MELBOURNE

*** Note: Breakfast will be served when you return from your sunrise walk*

- 6:45am** **Depart for Cape Woolamai with South Coast Buslines**
- 7:00am** **Sunrise Walk – Cape Woolamai (2 hours)**
Presented by Nature Park Staff
Location: Cape Woolamai
- 9:00am** **Return to your accommodation with south coast Buslines**
- 9.15am** **Breakfast** – included in the program at the Island Accommodation Big Wave Café
- 10:00am** **Check out of The Island Accommodation**
Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred. You will not be returning to this accommodation.
- 10:30am** **Depart the island accommodation for Melbourne CBD**
This journey should take approximately 1 hour and 40 minutes depending on traffic
- 12:30pm** **Arrive Nomads Melbourne for accommodation check in**
- 1.30pm** **Lunch**
- 2:30pm** **Regroup in the lobby at Nomads Melbourne and catch public transit to CQU Melbourne Campus**
- 3.00pm** **Australian Environmental Law in a changing International Context (50 mins)** 
Presented by Lee Godden – University of Melbourne
- 4:00pm** **Regulatory Partnerships and Environmental Policy (50 mins)** 
Presented by TBC– Environmental Protection Agency
Location: the island accommodation – Philip island
- 5:00pm** **Public transit back to Nomads Melbourne**
- 6:00pm** **Dinner**

Accommodation:

Nomads Melbourne

3 nights of accommodation

Students share 6 and 8 bed dorms, king ensuite for faculty

Check in 21 March, check out 24 March
198 A'Beckett St, Melbourne Vic 3000

Thursday, 22 March 2018

MELBOURNE

8:00am **Breakfast** – Included in the program Nomads Melbourne

Time: Public transit from Nomads Melbourne to CQU Melbourne

10:30am **The Evolution of Australian Environmental Consciousness and Ideology (50 mins)**

Presented by Don Garden – University of Melbourne

Location: TBC

11:30am **Environmental Policy and Politics in Australia: An Overview (50 mins)** 

Presented by Don Garden – University of Melbourne

Location: TBC

12:30pm **Lunch**

2:00pm **Federalism and its Australian Form (50 mins)** 

Presented by Robert Hoffman – Swinburne University of Technology

Location: CQU Melbourne

3:00pm **Public transit – back to accommodation**

6:00pm **Dinner**

Friday, 23 March 2018

MELBOURNE

8:00am **Breakfast** – included in the program at Nomads

Study time

Saturday, 24 March 2018 - Wednesday, 4th April

INDEPENDENT TRAVEL

You must plan to be checked in to Sydney Central YHA by 4pm on Wednesday April 4th

ISA Sydney will come and give Opal cards for the duration of your stay in Sydney

6:00pm **Dinner**

Accommodation

Sydney Central YHA

8 nights accommodation

Students shared 4 and 6 person dorm, leaders private room with ensuite

Check in: 4th April Check out: 12th April
Breakfast included
11 Rawson Pl, Sydney NSW 2000

Meals included at Sydney Central YHA

- Breakfast x 8

Thursday, 5 April 2018

SYDNEY

8.00am **Breakfast** – Included in the program Sydney Central YHA

9:00am **Catch public transit from Sydney Central YHA to Circular Quay**

***Note: ISA Sydney staff will assist you with navigating the public transit routes to Circular Quay and assist with checking into the cruise.*

10:00am **Tribal Warriors Aboriginal Cultural Cruise**

12:30pm **Cruise concludes**

1:00pm **Lunch**

Time to explore Sydney and Circular Quay

6:00pm **Dinner**

6:30pm **Regroup at YHA Sydney Central and public transit to the Sydney Observatory**

8:00pm **Dreamtime Astronomy tour at the Sydney Observatory** 

9:00pm **Conclude Sydney Observatory tour and public transit back to Sydney Central YHA**

Friday, 6 April 2018

SYDNEY

8:00am **Breakfast** – included in the program at Sydney Central YHA

9.00am **Interpreting the Dreamtime (50mins) Gaynor McDonald**

Presented By Gaynor McDonald

Location: Sydney Central YHA Meeting room

10.00am **Organizing People in terms of each other and Country (50mins)** 

Presented By Gaynor McDonald

Location: Sydney Central YHA Meeting room

11.00am **How Rituals Keep the Dreaming Alive (50mins)**

Presented By Gaynor McDonald

Location: Sydney Central YHA Meeting room

12:00pm **Lunch**

1:15pm **Regroup at Sydney Central YHA and public transit/walk to the Gallery of new South Wales**

1:45pm **Arrive Art Gallery of New South Wales**

2:00pm **Guided Yiribana Gallery Tour: Aboriginal & Torres Strait Islander Art Collection (1 hour)**

Presented by Art Gallery Staff

Location: Art Gallery New South Wales

Representing artists from communities across Australia, the Art Gallery of NSW's collection of Aboriginal and Torres Strait Islander art celebrates Indigenous Australia's enduring cultural heritage and its myriad contemporary expressions. The Yiribana Gallery is on Lower Level 3.

3:00pm **Visit Art Gallery New South Wales - Self-Guided (1 – 2 hrs)**

Established in 1874, the Art Gallery of NSW is proud to present fine international and Australian art in one of the most beautiful art museums in the world.

Modern and contemporary works are displayed in expansive, light-filled spaces, offering stunning views of Sydney and the harbour, while our splendid Grand Courts are home to a distinguished collection of colonial and 19th-century Australian works and European old masters. There are also dedicated galleries celebrating the arts of Asia and Aboriginal and Torres Strait Islander art.

6:00pm **Return to Sydney Central YHA**

7:00pm **Dinner**

Saturday, 7 April 2018

SYDNEY

7:30am **Breakfast** – Included in the program at Sydney Central YHA

8:00am **Excursion: Blue Mountain Eco Tour with Treadlightly** 

***Note: Please be ready for pick up 10 minutes prior to 8am. The bus will pick you up from just outside Sydney Central YHA. There will be plenty of hiking today – please ensure you wear appropriate clothing and footwear. Make sure to bring a hat, sunscreen and waterbottle with you as well. This is an all day excursion and you will not be returning to your accommodation until this evening.*

10:00am **Arrive at the Blue Mountains**

Two qualified ecological guides will take you on a walk through the Blue Mountains following the footsteps of Charles Darwin, with fresh water marine, terrestrial and ecological biota, Aboriginal and Australia history. They will also include World Heritage and Environ status during the walk.

Wentworth Falls ecological bush walk and Tim to discuss his Business Model and Sustainability

12:00pm **Lunch** – provided by Treadlightly

3:30pm **Reboard your charter and drive to Katoomba to visit the 3 Sisters.**

5:00pm **Arrive back at Sydney Central YHA**

6.00pm **Dinner**

Sunday, 8 April 2018

SYDNEY

8.00am **Breakfast** – Included in the program at Sydney Central YHA

Study day

Monday, 9 April 2018

SYDNEY

8.00am **Breakfast** – Included in the program at Sydney Central YHA

9:00am **Aboriginal Australians in Contemporary Society (1) (50mins)** 

Presented by Charmaine and Jason Mumbulla

Location: Sydney Central YHA meeting room

10:00am **Aboriginal Australians in Contemporary Society (2) (50mins)**

Presented by Charmaine Mumbulla

Location: Sydney Central YHA Meeting room

12.00pm **Lunch**

6.00pm **Dinner**

Tuesday, 10 April 2018

SYDNEY

8.00am **Breakfast** – Included in the program at Sydney Central YHA

9:00am **Walk from your accommodation to Sydney Central Train station.**

From here you will catch public transit out to the University of Western Sydney, Parramatta Campus.

****Note:** You will be here for the duration of the day

You will be required to change from train to bus during this commute. Public transit directions will be provided.

10:00am **Arrive to University of Western Sydney, Parramatta Campus**

10:30am **Group led discussion by UWS students from the innovation and leadership group**

The 'Green Wave' of Business: Sustainability and Paradigm Change (50 min) need to follow up

Presented by Dr Wayne Fallon – University of Western Sydney

Location: University of Western Sydney, Hawkesbury Campus, Discovery Centre, building R4, lecture theatre

12.00pm **Lunch** – will be provided by UWS. This will be a mix and mingle lunch with UWS staff and students.

1:30pm **Dimensions of Sustainability in Local Business Communities (2 hours) need to follow up**

Panelists Session

Session Chair Dr. Wayne Fallon and Jen Dollin– University of Western Sydney

Location: University of Western Sydney, Parramatta Campus

3:00pm **Depart UWS for Sydney Central YHA, via public transit.**

6.00pm **Dinner**

Wednesday, 11 April 2018

SYDNEY

8.00am **Breakfast** – included in the program at Sydney Central YHA

Study day

Thursday, 12 April 2018

SYDNEY – BRISBANE

Travel day

8:00am **Breakfast** - included in the program at Sydney Central YHA

***Check out of Sydney Central Accommodation Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred. You will not be returning to this accommodation.*

9:45am **Board charter bus to Sydney Domestic Airport**

10:30am **Arrive Sydney Domestic Airport and check in to flight to Brisbane**

12:20pm **Flight Jetstar JQ816 to Brisbane**

1:50pm **Arrive Brisbane domestic airport**

2:30pm: **Board Brisbane 360 charter bus to your accommodation -Base Brisbane Uptown**

3:00pm **Check in to your accommodation Base Uptown Brisbane**

6:00pm **Dinner**

Accommodation Details

Base Uptown Brisbane

1 nights accommodation

Students – shared accommodation boys girls

Leaders – double room with ensuite

Check in: April 12th Check out: April 13th




Address: 466 George St, Brisbane City QLD 4000

Phone: (07) 3238 5888

Friday, 13 April 2018

BRISBANE – NORTH STRADBROKE ISLAND

7:00am **Breakfast** – Included in the program at Base Brisbane

7:30am	Pick up from Base Brisbane to Cleveland Ferry Terminal
9:00am	Barge departs for North Stradbroke Island / Moreton Bay Research Station (MBRS) with Brisbane 360 Coaches
10:00am	Arrive at Moreton Bay Research Station Accommodation MBRS staff will provide instructions upon arrival.
10:45am	Orientation to MBRS (30 mins)  <i>Provided by MBRS Staff</i> <i>Location: MBRS, room to be provided on arrival</i> <u>*Notes: Moreton Bay Research Station has free Wi-Fi Internet available. Please do not abuse the system.</u>
11:00am	Lunch – Included in the Program at MBRS Lunch will be provided on the patio <u>*Notes: Please be sure to bring a notepad, pen and water to your sessions. You will also need ENCLOSED footwear that can get wet and muddy e.g. Dive booties or sneakers NOT sandals or flip flops etc... You can wash them after use.</u> <u>*Notes: After lunch please prepare for transfer for Mangrove Activity.</u>
12:00pm	Primary Production by Marine Flora <i>Presented by: William Loh</i> <i>Location: MBRS Station, lecture theatre</i>
1:00pm	Introduction to Mangrove ecosystems  <i>Presented by William Loh</i> <i>Location: MBRS Station, downstairs lecture theatre</i>
2:00pm	Depart research station with Brisbane 360 Coaches for Myora Springs Marine Ecosystems – Mangrove forests (2.5 hours)  <i>Presented by William Loh</i> <i>Location: Myora Springs, activity/excursion is based on tides (low tide approx. 2:40pm)</i>
4:30pm	Depart with Brisbane 360 Coaches at Myora Springs and return to research station
6:00pm	Dinner – Included in the Program at MBRS Dinner will be provided on the patio
7:00pm	Understanding Sand Island: Geology and Hydrology (1 hour) <i>Presented by William Loh</i> <i>Location: MBRS Station, downstairs lecture theatre</i>
8:00pm	Understanding Sand Islands: Ecology (1 hour) <i>Presented by William Loh</i> <i>Location: MBRS Station, downstairs lecture theatre</i>

Accommodation

Moreton Bay Research Station (MBRS)

4 nights accommodation

Check in: 13th April, Check out 17th April

Students: shared bunkrooms

Leaders: private room with ensuite

Corner of Flinders Avenue and Fraser Streets

Dunwich QLD 4183

Phone: 07 3409 9058

Meals at MBRS

- Breakfast x 4
- Lunch x 4
- Dinner x 4

Saturday, 14 April 2018

NORTH STRADBROKE ISLAND

7:15am Breakfast –Included in the Program at MBRS

Breakfast will be provided on the patio

***Notes: Please collect your packed lunch this morning for today.**

8:00am Regroup and board bus with Brisbane 360 for departure to Blue Lake

8:15am Blue Lake walking trail excursion 

Presented by William Loh

Please note that in 2013 fires went through this area so observe the regrowth that is occurring in the area. One of the largest lakes on the island, is protected within the Blue Lake National Park and is of cultural significance to the Quandamooka people of Stradbroke Island. It is a spring-fed lake relying on the stable aquifer feeding it. This stable hydrology means it has been untouched by climate change and appears to be in the same condition as it was 7,500 years ago. Blue Lake has been an important climate 'refuge' for the freshwater biota of the region, and with appropriate management, the lake could continue relatively unchanged for hundreds, possibly thousands of years to come.

11:00am Board Brisbane 360 bus for departure to Brown Lake (swim)

11:15am Arrive at Brown Lake for swimming, excursion and lunch

Brown lake is a perched lake which retains its water due to a layer of leaves lining the lake floor and is of cultural significance to the Quandamooka people of Stradbroke Island. The precipitated matter eventually forms an impermeable layer, preventing water from percolating to the watertable.

Packed Lunch – Included in the program by Moreton Bay Research Station

1:30pm Board Brisbane 360 bus for departure to Research Station

1:45pm Arrive back at research station

2:30pm Extended walk/talk on the mud/sand flats and rocky shore

Presented by William Loh

Location: Vicinity of research station, activity/excursion is based on tides (low tide TBC)

This afternoon sessions will assist students in their project selection and design for tomorrow.

5:00pm **Regroup and walk back to Research Station**

6:00pm **Dinner** – Included in the Program at MBRS

Sunday, 15 April 2018

NORTH STRADBROKE ISLAND

7:15am **Breakfast –Included in the Program at MBRS**

Breakfast will be provided on the patio

8:30am **Students independent research projects - Discussion and project planning (3 hrs)**

Led by William Loh

Location: MBRS Station, downstairs lecture theatre

11:30am **Students independent research projects – Data collection (4 hours)**

Led by William Loh

Location: Collection will be in the area of Moreton Bay Research Station at low tide

Lunch – Included in the Program at MBRS

4:00pm **Students independent research projects – Data Collation & Seminar Preparation (2 hrs)**

Led by William Loh

Location: MBRS Station, downstairs lecture theatre

6:00pm **Dinner – Included in the Program at MBRS**

7:00pm **Students independent research projects – Data Collation & Seminar Preparation (2 hrs)**

Led by William Loh

Location: MBRS Station, downstairs lecture theatre

Monday, 16 April 2018

NORTH STRADBROKE ISLAND

7:30am **Breakfast** – included in the program at MBRS

8:00am **Depart the Research Station with Brisbane 360 for today's excursion**

Understanding Sand Islands & features Activity (4 hrs)

Led by William Loh

Location: Various features on Stradbroke Island – Pt. Lookout

***Notes: The bus will stay with you for the duration until finished.**

12:00pm **Lunch** – Included in the Program at MBRS

Study time

Potential time for St Olaf Faculty lecture

6:00pm **Dinner** – Included in the Program at MBRS

Tuesday, 17 April 2018

NORTH STRADBROKE ISLAND – BINNA BURRA

8.00am **Breakfast** – Included in the program at MBRS


9:00am Check out of MBRS Accommodation. Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred. You will not be returning to this accommodation.

10:00am Catch Stradbroke ferries back to Cleveland Ferry terminal

11:00am Depart Cleveland Ferry terminal with Brisbane 360 to Binna Burra Mountain Lodge
This journey should take approximate 1 hour and 45 minutes, depending on traffic

1:00pm Arrive Binna Burra Mountain lodge and check into accommodation

***note: the group will need to be split into 2 groups for the academics at Binna Burra. The following times are used as a guide only and may change depending on the academics*

2:00pm **Introduction to Australian Rainforests (50 mins)** 
Led by Barry Davies
Location: The Barn

GROUP 1

3:00pm **Rainforest Plants (45 mins)**
Led by Barry Davies
Location: Lodge grounds

4:00pm **Rainforest Animals (45 mins)**
Led by Barry Davies
Location: Lodge grounds

5:00pm **study time until Dinner**

6:00pm **Dinner – Included in the Program at Binna Burra Mountain Lodge**
Location: Binna Burra Lamington Teahouse

7:00pm **Census of nocturnal vertebrate animals (spotlighting) (1 ½ hours)**
Led by Barry Davies
Location: Lodge grounds

GROUP 2

3:00pm **Rainforest Animals (45 mins)**
Led by Barry Davies
Location: Lodge grounds

4:00pm **Rainforest Plants (45 mins)**
Led by Barry Davies
Location: Lodge grounds

6:00pm **Dinner – Included in the Program at Binna Burra Mountain Lodge**

Location: Binna Burra Lamington Teahouse

7:00pm **Group 2 Study/Discussion (1 ½ hours)**

Led Independently

Location: Location: The Barn and around the lodge grounds

ACCOMMODATION:

Binna Burra Mountain Lodge

6 night's accommodation

Grooms Cottage, 4 – room bunkhouse, 9 beds in each room

Acacia Room – 1 x queen ensuite room

Check In: 17th April Check out: 23rd April

Address: *Binna Burra Road, QLD 4211*

Phone: *07 55 33 3622*

Meals at Binna Burra

Breakfast x 6

Lunch x 5

Dinner x 6

Wednesday, 18 April – Monday, 23 April 2018

BINNA BURRA, LAMINGTON NATIONAL PARK

8.00am **Breakfast – Included in the program at Binna Burra Mountain Lodge**

GROUP 1

9:00am **Orientation to Lamington Plateau Rainforests (4 hours)**

Led by Barry Davies

Location: Nagarigoon Falls

1:00pm **Lunch – Included in the Program at Binna Burra Mountain Lodge**

Location: Binna Burra Lamington Teahouse

2:00pm **Ethological Field Research (50 mins)**

Presented by Barry Davies

Location: Location: The Barn

3:00pm **Field Study Techniques - Social Behaviour of Birds and Mammals (2 hour 15 mins)**

Discussion and Data collection

Presented by Barry Davies

Location: The Barn and around the lodge grounds

6:30pm **Dinner – Included in the Program at Binna Burra Mountain Lodge**

Location: Binna Burra Lamington Teahouse

7:30pm **Group 1 Study/Discussion (1 ½ hours)**

Led Independently

Location: Location: The Barn and around the lodge grounds


GROUP 2


- 9:00am** **Orientation to Lamington Plateau Rainforests (4 hours)**
Presented by Barry Davies
Location: Nagarigoon Falls
- 1:00pm** **Lunch – Included in the Program at Binna Burra Mountain Lodge**
Location: Binna Burra Lamington Teahouse
- 2:00pm** **Ethological Field Research (50 mins)**
Presented by Barry Davies
Location: The Barn and around the lodge grounds
- 3:00pm** **Field Study Techniques - Social Behaviour of Birds and Mammals (2 hour 15 mins)**
Discussion and Data collection
Presented by Barry Davies
Location: The Barn and around the lodge grounds
- 6:30pm** **Dinner – Included in the Program at Binna Burra Mountain Lodge**
Location: Binna Burra Lamington Teahouse
- 7:30pm** **Group 2 - Census of nocturnal vertebrate animals (spotlighting) (1 ½ hours)**
Presented by Barry Davies

Thursday, 19 April 2018

BINNA BURRA, LAMINGTON NATIONAL PARK

GROUP 1

- 5:30am** **Group 1 - Studies of Avian populations (3 hours)**
Presented by Barry Davies
Location: Lodge loop and senses trail
- 8:30am** **Breakfast - Included in the Program at Binna Burra Mountain Lodge**
- 9:30am** **Social Behaviour of Birds and Mammals (2 hours) **
Data collection – Bower Bird Study
Presented by Barry Davies
Location: Lodge grounds
- 12:30pm** **Lunch – Included in the Program at Binna Burra Mountain Lodge**
- 1:30pm** **Social behaviour of Birds and Mammals (2 hours)**
Data collation & discussion – Bower Bird Study
Presented by Barry Davies
Location: The Barn

- 3:30pm study time until Dinner
- 6:30pm Dinner – Included in the Program at Binna Burra Mountain Lodge
- GROUP 2**
- 8:30am Breakfast - Included in the Program at Binna Burra Mountain Lodge
- 9:30am Social Behaviour of Birds and Mammals (2 hours) 
Data collection – Bower Bird Study
Presented by Barry Davies
Location: Lodge grounds
- 12:30pm Lunch – Included in the Program at Binna Burra Mountain Lodge
- 1:30pm Social behaviour of Birds and Mammals (2 hours)
Data collation & discussion – Bower Bird Study
Presented by Barry Davies
Location: The Barn
- 3:30pm study time until Dinner
- 6:30pm Dinner – Included in the Program at Binna Burra Mountain Lodge

Friday, 20 April 2018

BINNA BURRA, LAMINGTON NATIONAL PARK

- 8.00am **Breakfast** – Included in the program at Binna Burra Mountain Lodge
- Group 1**
- 9:00am **Diversity in the rainforest (3 hours)**
5km walk and interpretation/rainforest survey
Presented by Barry Davies
Location: Yangahla Lookout
- 12:30pm Lunch – Included in the Program at Binna Burra Mountain Lodge
- 1:30pm **Study/Discussion (2 hours)**
Led Independently
Location: The Barn and around the lodge grounds
- 3:30pm **Studies of small mammal populations – Binna Burra (2 hours)**
Presented by Barry Davies
Location: Lodge grounds and area
- 6:30pm Dinner – Included in the Program at Binna Burra Mountain Lodge
- 7:30pm **Diversity in Rainforest: Data Collation and seminar preparation (2 hours)**

Led by Barry Davies

Location: The Barn

Group 2

- 5:30am** **Studies of Avian populations (3 hours)**
Presented by Barry Davies
Location: Lodge loop and senses trail
- 8:30am** **Breakfast- Included in the Program at Binna Burra Mountain Lodge**
- 9:30am** **Rainforest Ecology – Discussion and Project Planning (1 hours)**
Presented by Barry Davies
Location: The Barn
- 10:30am** **Rainforest Ecology – Data Collection (4 hours)**
Presented by Barry Davies
Location: Lodge grounds
- 12:30pm** **Lunch – Included in the Program at Binna Burra Mountain Lodge**
- 3:30pm** **Study/Discussion (2 hours)**
Led independently
Location: The Barn and around the lodge grounds
- 5:30pm** **study time until Dinner**
- 6:30pm** **Dinner – Included in the Program at Binna Burra Mountain Lodge**
- 7:30pm** **Rainforest Ecology – Data collation and seminar preparation (2 hours)**
Presented by Barry Davies
Location: The Barn

Saturday, 21 April 2018

BINNA BURRA, LAMINGTON NATIONAL PARK

- 8.00am** **Breakfast – Included in the program at Binna Burra Mountain Lodge**
- Group 1**
- 5:30am** **Studies of small mammal populations – Binna Burra (3 hours)**
Presented by Barry Davies
Location: Lodge grounds and area
- 8:30am** **Breakfast - Included in the Program at Binna Burra Mountain Lodge**
- 9:30am** **Rainforest Ecology – Discussion and Project Planning (1 hour)**
Presented by Barry Davies
Location: The Barn

- 10:30am** **Rainforest Ecology – Data Collection (4 hours)**
Presented by Barry Davies
Location: Lodge grounds
- 12:30pm** **Lunch – Included in the Program at Binna Burra Mountain Lodge**
- 3:30pm** **Study/Discussion (2 hours)**
Led independently
Location: The Barn and around the lodge grounds
- 5:30pm** **study time until Dinner**
- 6:30pm** **Dinner – Included in the Program at Binna Burra Mountain Lodge**
- 7:30pm** **Rainforest Ecology – Data collation and seminar preparation (2 hours)**
Presented by Barry Davies
Location: The Barn

GROUP 2

- 8:30am** **Breakfast- Included in the Program at Binna Burra Mountain Lodge**
- 9:00am** **Diversity in the rainforest (3 hours)**
5km walk and interpretation/rainforest survey
Led by Barry Davies
Location: Eucalypt Forest – Caves Circuit
- 12:30pm** **Lunch – Included in the Program at Binna Burra Mountain Lodge**
- 1:30pm** **Study/Discussion (2 hours)**
Led independently
Location: The Barn and around the lodge grounds
- 3:30pm** **Studies of small mammal populations – Binna Burra (2 hours)**
Presented by Barry Davies
Location: Lodge grounds and area
- 5:30pm** **study time until Dinner**
- 6:30pm** **Dinner – Included in the Program at Binna Burra Mountain Lodge**
- 7:30pm** **Diversity in Rainforest: Data collation and seminar preparation (2 hours)**
Led by Barry Davies
Location: The Barn

Sunday, 22 April 2018

BINNA BURRA, LAMINGTON NATIONAL PARK

- 8.00am** **Breakfast – Included in the program at Binna Burra Mountain Lodge**
- Group 1**

9:30am **Diversity in the Rainforest: Presentations by Group 1 & 2 w/discussion of results 1hr.**
Presented by Barry Davies
Location: The Barn

10:45am **Rainforest Ecology: Presentations by Group 1 & 2 w/discussion of results (1 hour)**
Presented by Barry Davies
Location: The Barn

12:15pm **Lunch – Included in the Program at Binna Burra Mountain Lodge**

1:00pm **Study/Discussion (2 ½ hours)**
Led independently
Location: The Barn and around the lodge grounds

3:30pm **study time until Dinner**

6:00pm **Dinner – Included in the Program at Binna Burra Mountain Lodge**

7:00pm **Wrap up session – Discussion Group 1 and 2 (1 hour)**
Presented by Barry Davies
Location: The Barn

Group 2

5:30am **Studies of small mammal populations – Binna Burra (3 hours)**
Presented by Barry Davies
Location: Lodge grounds and area

8:30am **Breakfast – Included in the Program at Binna Burra Mountain Lodge**

9:30am **Diversity in the Rainforest: Presentations by Group 1 & 2 w/discussion of results 1hr.**
Presented by Barry Davies
Location: The Barn

10:45am **Rainforest Ecology: Presentations by Group 1 & 2 w/discussion of results (1 hour)**
Presented by Barry Davies
Location: The Barn

12:15pm **Lunch – Included in the Program at Binna Burra Mountain Lodge**

1:00pm **Group 2 - Study/Discussion (2 ½ hours)**
Led Independently
Location: The Barn and around the lodge grounds

3:30pm **study time until Dinner**

6:00pm **Dinner – Included in the Program at Binna Burra Mountain Lodge**

7:00pm **Wrap up session – Discussion Group 1 & 2 (1 hour)**
Presented by Barry Davies
Location: The Barn

Monday, 23 April 2018

BINNA BURRA – BRISBANE

8.00am **Breakfast** – Included in the program at Binna Burra Mountain Lodge

Check out of Binna Burra Mountain Lodge Accommodation. Make sure you have packed all your belongings, return any room key and pay for any incidentals incurred. You will not be returning to this accommodation.

Depart Binna Burra Lodge with Brisbane 360 and travel to Base Brisbane

12.00pm **Lunch**

6.00pm **Dinner**

Accommodation Details

Base Uptown Brisbane

1 nights accommodation

Students – shared accommodation boys and girls

Leaders – double room with ensuite

Check in: April 12th Check out: April 13th

Address: 466 George St, Brisbane City QLD 4000

Phone: (07) 3238 5888

Tuesday, 24 April 2018

BRISBANE

8.00am **Breakfast** – Included in the program Uptown Base Brisbane

10:00am **Panel session - Local Environmental Action through Organic Farming (2 hours)** 

Presented by: Kristen Lyons

Location: TBC

12.00pm **Lunch**

1.00pm **Religion in Australia** 

Presented by: TBC

Location: TBC

6.00pm **Dinner**

Wednesday, 25 April 2018

BRISBANE

8.00am **Breakfast** – Included in the program at Base Brisbane

****Notes:** *Please wear warm clothes and closed shoes*

Anzac Day is a national day of remembrance in Australia and New Zealand, originally commemorated by both countries on 25 April every year to honour the members of the Australian and New Zealand Army Corps (ANZAC) who fought at Gallipoli in the Ottoman Empire during World War I. It now more broadly commemorates all those who served and died in military operations for their countries.

4:28am

ANZAC Day Dawn Service at Shrine of Remembrance (ANZAC Square)

Typical modern dawn services follow a pattern that is now familiar to generations of Australians, containing the following features: introduction, hymn, prayer, an address, laying of wreaths, recitation, the playing of "The Last Post", a minute of silence, "Reveille", and the playing of both the New Zealand and Australian national anthems. At the Australian War Memorial, following events such as the Anzac Day and Remembrance Day services, families often place artificial red poppies beside the names of relatives on the Memorial's Roll of Honour. In Australia, sprigs of rosemary are often worn on lapels and in New Zealand poppies have taken over this role.

Background:

In 1915, Australian and New Zealand soldiers formed part of an Allied expedition that set out to capture the Gallipoli Peninsula, according to a plan by Winston Churchill to open the way to the Black Sea for the Allied navies. The objective was to capture Constantinople, the capital of the Ottoman Empire, which was an ally of Germany during the war. The ANZAC force landed at Gallipoli on 25 April, meeting fierce resistance from the Ottoman Army commanded by Mustafa Kemal (later known as Atatürk). What had been planned as a bold strike to knock the Ottomans out of the war quickly became a stalemate, and the campaign dragged on for eight months. At the end of 1915, the Allied forces were evacuated after both sides had suffered heavy casualties and endured great hardships. The Allied casualties included 21,255 from the United Kingdom, an estimated 10,000 dead soldiers from France, 8,709 from Australia, 2,721 from New Zealand, and 1,358 from British India. News of the landing at Gallipoli made a profound impact on Australians and New Zealanders at home and 25 April quickly became the day on which they remembered the sacrifice of those who had died in war.

Though the Gallipoli campaign failed to achieve its military objectives of capturing Constantinople and knocking the Ottoman Empire out of the war, the actions of the Australian and New Zealand troops during the campaign bequeathed an intangible but powerful legacy. The creation of what became known as an "Anzac legend" became an important part of the national identity in both countries. This has shaped the way their citizens have viewed both their past and their understanding of the present.

During the 1920s, Anzac Day became established as a National Day of Commemoration for the 60,000 Australians and 18,000 New Zealanders who died during the war. The first year in which all the Australian states observed some form of public holiday together on Anzac Day was 1927. By the mid-1930s, all the rituals now associated with the day—dawn vigils, marches, memorial services, reunions, sly two-up games—became part of Australian Anzac Day culture. New Zealand commemorations also adopted many of these rituals, with the dawn service being introduced from Australia in 1939.

10:00am

ANZAC Day Parade (Corner of George and Elizabeth St)

City streets will be closed from 7am – 1pm

Study time

12.00pm

Lunch

6.00pm

Dinner






Thursday, 26 April 2018

BRISBANE

7:30am


Breakfast – Included in the program at Base Brisbane

****Note: Please ensure you have your GoCard with you – you must ‘tap on’ the bus and ‘tap off’**

- 8:00am** **Walk from Base Brisbane to Roma Street busway, Platform 2**
- 8:30am** **Arrive at University of Queensland**
- 9:00am** **Traditional Aboriginal Material Culture** 
Presented by Annie Ross
Location: TBC
- 10:00am** **Aboriginal Trans-Continental Trading** 
Presented by Annie Ross
- 11:00am** **Aboriginal Economy and Land Use** 
Presented by Annie Ross
Location: TBC
- 12:00pm** **Lunch**
- 1:30pm** **Australian Environmental Policy and the Mining Industry** 
Presented by: TBC
Location TBC
- 2:30pm** **Education for Sustainable Development: Environmental Education Policy in Australia (2hrs)** 
Presented by: TBC
Location: TBC
- 3:30pm** **Travel via public transit back to your accommodation**
- 6:00pm** **Dinner**

Friday, 27 April 2018

BRISBANE

- 8:00am** **Breakfast** – included in the program at Base Uptown Brisbane
- 9:15am** **Walk from Base Brisbane to Roma Street busway, Platform 2**
- 9:45am** **Arrive at University of Queensland**
- 10:00am** **Cultural and Ethical Issues in Australian Anthropology and Archeology** 
Presented by Annie Ross
Location: TBC
- 11:00am** **Australia’s Place in the Evolution of Humanity**
Presented by Annie Ross
- 12:00pm** **Lunch**

Study time

Saturday, 28 April 2018

BRISBANE – GLADSTONE – HERON ISLAND RESEARCH STATION

4:30am **Check out of Base Brisbane**

Check out of Base Brisbane. Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred.

4:45am **Board your Kangaroo Buslines charter and depart Brisbane to Gladstone Ferry Terminal.**
This journey should take approximately 6 hours. The bus will make a stop for breakfast and lunch

****Note: The bus will be going directly to the Gladstone Ferry Terminal for a 2:00pm ferry departure time over the Heron Island . Please ensure you are ON TIME this morning as we need to ensure we stay on schedule.**

12:00pm_ **Lunch** –the bus will make a pit stop at a service center today

1:00pm **Arrive Gladstone to Heron Ferry Terminal**

2:00pm **Boat transfer departs for Heron Island**
This journey should take approximately 2 and a half hours

4:30pm **Arrive Heron Island**

4:45pm **Check into Heron Island Research Station**

6:00pm **Dinner** – Included in the program at HIRS

***Notes: Please note that all sessions on the island will be led by Andrew Chin, Jimmy White and. You will see below that there are no times slotted to the itinerary due to tidal and weather conditions. Therefore, your leaders will provide you times daily for activities and meals dependent on the weather and tides (below schedule is a guide only**

1 hour **Heron Island Orientation**
Presented by Heron Island Research Station Staff
Location: Seminar or Teaching Lab – determined on arrival

30 mins **Briefing on the Coral Reef Program and Water Safety** 📖
Ensures safety on the Program
Presented by Andrew Chin and Jimmy White
Location: Seminar or Teaching Lab – determined on arrival

Dinner - Included in the Program (Catering by Good Food Solutions)
Location: Group Kitchen

ACCOMMODATION DETAILS

Heron Island Research Station

7 nights accommodation

Student rooms:

Leader rooms

Check in: April 28th Check out: May 5th

Phone: (07) 4978 1399

Meals included at HIRS

- Breakfast x 7
- Lunch x 6
- Dinner x 7

Sunday, 29 April – Saturday, 5 May 2018

HERON ISLAND RESEARCH STATION

7.00am **Breakfast** – Included in the program at HIRS

2 hours **Snorkelling Practice**

This is essential to ensure students are comfortable in the water so that they can learn, observe animals, and practice monitoring skills.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

Today's focus will be Reef Ecology and the Great Barrier Reef 101

50 mins **Introduction to the Great Barrier Reef** 

Learn general information about the Great Barrier Reef, its biodiversity, ecology, pressures, management and stakeholders.

Presented by Andrew Chin

Location: Seminar or Teaching Lab – determined on arrival

30 mins **Dangerous Reef Organisms**

Presented by Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

50 mins **Geology of Coral Reefs** 

Learn the basic geological history of the Great barrier Reef, how reefs were formed, how Heron Island was formed, introduction to historical geology and relevance in the modern day context.

Presented by Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

Lunch - Included in the Program (Catering by Good Food Solutions)


Location: Group Kitchen

2 hours **Marine Ecosystems – Snorkel Excursion** 

Learn snorkelling skills, observation skills, and view living examples of ecological interactions. The leaders will ensure students are comfortable in the water. Once everyone is comfortable you will begin making observations focusing on species and questions to prepare topics and ideas for the student teams.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

2 hours **Marine Ecosystems: Reef Walk Excursion at Low Tide** 
Introduction to reef biodiversity and ecology; species ID skills, observations skills, competition and predator-prey relationships, form and function.
Presented by Andrew Chin and Jimmy White
Location: Around Heron Island


Dinner - Included in the Program (Catering by Good Food Solutions)
Location: Group Kitchen


Monday, 30 April 2018


HERON ISLAND RESEARCH STATION

Breakfast- Included in the Program (Catering by Good Food Solutions)
Location: Group Kitchen

Today's focus will be Reef Ecology and the Great Barrier Reef 101

50 mins **Coral Reef Ecology** 
Information to include reef communities and guilds, predator-prey interactions and the biological 'arms race'; recruitment, competition, introductions to connectivity concepts, mutualism, and symbiosis.
Presented by Jimmy White
Location: Seminar or Teaching Lab – determined on arrival

50 mins **Coral Reef Processes and Disturbance** 
Introduction to the major factors influencing tropical coral reefs and their role in shaping reef communities.
Presented by Andrew Chin
Location: Seminar or Teaching Lab – determined on arrival

50 mins **Reef Fish Ecology and Identification** 
Understanding of the diversity, ecology, and form and function of reef fishes.
Presented by Jimmy White
Location: Seminar or Teaching Lab – determined on arrival

Lunch – Included in the Program (Catering by Good Food Solutions)
Location: Group Kitchen

50 mins **Marine Mega Fauna in the Great Barrier Reef (50 mins)**
Identify marine mega fauna, conservation issues, management solutions, and research questions.
Presented by Jimmy White
Location: Seminar or Teaching Lab – determined on arrival

2 hours **Field Session 1: Monitoring – Snorkel Reef Flat (2 hours)**
Student teams will begin collecting observations and data for their reef ecology projects.
Presented by Andrew Chin and Jimmy White
Location: Around Heron Island

2 hours **Coral Cay Ecosystems: Walk around Heron Island Coral Cay**

Understand the formation of coral cays, vegetation and succession, biodiversity, importance as a seabird rookeries, threats and management.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

Dinner - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Tuesday, 1 May 2018

HERON ISLAND RESEARCH STATION

8.00am **Breakfast** – Included in the program at HIRS (Catering by Good Food Solutions)

Location: Group Kitchen

Today's focus will be Reef management, Research and Monitoring

50 mins **Coral Reefs, Connectivity and Marine Parks** 

Understand the importance of connectivity and dispersion in coral reef ecosystems and how these concepts are integrated with Marine Park planning.

Presented by Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

50 mins **The Use and Management of the Great Barrier Reef** 

Understanding of the multiple uses and values of the Great Barrier Reef, how it's managed and management processes.

Presented by Andrew Chin

Location: Seminar or Teaching Lab – determined on arrival

30 mins **Benthic Community Ecology and Identification**

Revise concepts of coral reef ecology; focus on identification and classification of benthic reef communities.

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

Lunch – Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

1 hour **Reef Monitoring – Reef Check Monitoring Protocols**

Students will learn monitoring techniques.

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

2 hours **Field Session 2: Monitoring – Snorkel Reef Flat**

Reef check monitoring exercise.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

2.5 hours **Field Session 3: Monitoring – Snorkel Reef Slope**

Reef check monitoring exercise.

Presented by Andrew Chin and Jimmy White

Location: TBC on the day

2 hours

Data Analysis A1: Monitoring Data

Designing spreadsheets and using MZ Excel to manage and analyze reef monitoring data.

Presented by Andrew Chin and Jimmy White

Location: Computer Room – determined on arrival

Dinner - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Wednesday, 2 May 2018

HERON ISLAND RESEARCH STATION

Breakfast- Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Today's focus will be Reef management, Research and Monitoring

30mins

Review Monitoring Protocols and Coral ID

Familiarization with Great Barrier Reef coral ID.

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

50mins

The Conservation and Management of Sharks and Rays 

Become familiar with diversity, biology, and ecology of sharks, rays, and topical issues with conservation and management.

Presented by Andrew Chin

Location: Seminar or Teaching Lab – determined on arrival

30mins

Traditional Connections to the Great Barrier Reef 

Introduction to the Traditional Owners of Great Barrier Reef Sea Country, ecological knowledge, traditional use of marine resources, culture, management, and issues.

Presented by Andrew Chin

Location: Seminar or Teaching Lab – determined on arrival

2 hours

Field Session 4: Student Team Ecology Project

Student teams will begin collecting observations and data for reef ecology project.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

Lunch - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

2.5 hours

Field Session 5: Student Team Ecology Project

Presented by Andrew Chin and Jimmy White

Location: TBC on the day

2 hours

Data Analysis B1: Student Team Project

Designing MS Excel spreadsheets to manage student data and to produce descriptive statistics.

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

Dinner - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

1 hour

Night Snorkel

Led by Andrew Chin and Jimmy White

Location: TBC by your leaders

Please note this activity could occur on a different evening depending on tides, and weather during the week.

Thursday, 3 May 2018

HERON ISLAND RESEARCH STATION


8.00am

Breakfast- Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Today's focus will be Students Projects and Consolidation

50mins

Coral Reef Ecosystems of the Pacific: status, threats, future outlook 

Introduction to the coral reef systems of the Pacific (Australia to French Polynesia), threats, issues, management, and case studies of countries.

Presented by Andrew Chin

Location: Seminar or Teaching Lab – determined on arrival

30mins

Research & Conservation Ethics – focus question & discussion group

Stimulate critical thinking and discussion about the interrelationships between research, management, research ethics, and the peer review process.

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

2 hours

Field Session 6: Monitoring – Snorkel Reef Flat

Student teams will finalize collecting data for reef ecology project.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

Lunch - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

2.5 hours

Field Session 7: Monitoring – Snorkel Reef Slope

Student teams will finalize observations and data collection for reef ecology project.

Presented by Andrew Chin and Jimmy White

Location: TBC on the day

2.5hours

Data Analysis 2

Designing and using MS Excel to manage and analyse reef monitoring data

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

Dinner - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Friday, 4 May 2018

HERON ISLAND RESEARCH STATION

Breakfast- Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Today's focus will be Students Projects and Consolidation

50mins

The Role of Research in Marine Resource Management

Stimulating thought on how science interacts with management, discussion about when and how scientists should enter the management realm and public debate.

Presented by Andrew Chin

Location: Seminar or Teaching Lab – determined on arrival

2.5 hours

Field Session 8: Monitoring – Snorkel Reef Flat

Student teams will finalize collecting data for reef ecology project.

Presented by Andrew Chin and Jimmy White

Location: Around Heron Island

Lunch - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

2.5 hours

Data Analysis 3: Presentation Preparation

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

2 hours

Study Session

Presented by Andrew Chin and Jimmy White

Location: Seminar or Teaching Lab – determined on arrival

2 hours

Student Team Project Presentations and Discussions

Presented by the Students

Location: Seminar or Teaching Lab – determined on arrival

Dinner - Included in the Program (Catering by Good Food Solutions)

Location: Group Kitchen

Saturday, 5 May 2018

HIRS – EMUS BEACH

**Note: Pack an overnight bag so that you don't have to take all of your luggage out of the bus at Emu Beach. You will only be staying here for 1 night only with an early departure the next day. Towels will be included at Emu Beach

8:00am

Check out of HIRS – breakfast included

10:00am

Take the ferry from Heron Island to Gladstone Ferry Terminal

12:00pm

Arrive Gladstone Ferry Terminal and board your Kangaroo Buslines Coach to Emu Beach

This journey takes approximately 2 hours and 10 minutes

2:15pm

Check in to Emu Beach Resort

6:00pm **Dinner – BBQ dinner catered by Emu Beach**

ACCOMMODATION DETAILS

Emu Beach Resort

1 night accommodation

Students: 3 and 4 bedroom with shared bathrooms

Leaders: Double room

Check in: May 5th Check out: May 6th

92 Pattison St, Emu Park QLD 4710

(07) 4939 6111

Sunday, 6 May – Thursday, 10 May

EMUS BEACH – CARNARVON– TAKAARAKKA BUSH RESORT

6:00am **Breakfast** – Included at Emu Beach Resort

6:30am **Check out of Emu Beach Resort**

6:45am **Board your Kangaroo Buslines Coach and depart for Takarakka Bush Resort, Carnarvon Gorge**
This journey will take approximately 6 hours

1:45pm **Arrive at Takarakka Bush Resort and check into accommodation**

2:30pm **Regroup for Carnarvon National Park Introduction and tour** 
Lead by Simon Ling

ACCOMMODATION DETAILS

Takarakka Bush Resort

4 nights accommodation

Students – Shared Accommodation in Safari Tents/Shared Bathroom facilities

Leader – Single Accommodation in Safari Tents/Ensuite

Check in: May 6th Check out: May 10th

Address: O'Briens Road, Carnarvon Gorge QLD 4702

Phone: (07) 4984 4535

Meals at Takarakka Bush Resort – catered by Tavistock

- 4x Breakfasts
- 3x Lunches (+ 1 to go on 10th?)
- 4x Dinners
- Maggie Baikie will be your caterer throughout your time at Carnarvon National Park

Monday, 7 May 2018





CARNARVON NATIONAL PARK – TAKARRAKA BUSH RESORT

8.00am **Breakfast** – Included in the program at Carnarvon National Park

12.00pm **Lunch** – Included in the program at Carnarvon National Park

6.00pm **Dinner** – Included in the program at Carnarvon National Park

Lectures/Excursions with Simon Ling - Times to be confirmed by field staff at location

- Fire in the ecology of Australian eucalypt forests (discussion and project planning) – group A 
- Fire in the ecology of Australian eucalypt forests (data collection) – group A 
- Social Organisation of animals in eucalypt forests (discussion and project planning) – group B 
- Social Organisation of animals in eucalypt forests (data collection) – group B 
- Project: Student Presentations with Simon Ling

Tuesday, 8 May 2018





CARNARVON NATIONAL PARK – TAKAARAKKA BUSH RESORT

8.00am **Breakfast** – Included in the program at Carnarvon National Park

12.00pm **Lunch** – Included in the program at Carnarvon National Park

6.00pm **Dinner** – Included in the program at Carnarvon National Park


Lectures/Excursions with Simon Ling - Times to be confirmed by field staff at location

- Social Organisation of animals in eucalypt forests (discussion and project planning) – group A 
- Social Organisation of animals in eucalypt forests (data collection) – group A 
- Fire in the ecology of Australian eucalypt forests (discussion and project planning) – group B 
- Fire in the ecology of Australian eucalypt forests (data collection) – group B 
- Project: Student Presentations with Simon Ling

Wednesday, 9 May 2018

CARNARVON NATIONAL PARK – TAKAARAKKA BUSH RESORT

8.00am **Breakfast** – Included in the program at Carnarvon National Park

10:00am **Aboriginal art and use of natural resources (8 hours)** 
Location: Aboriginal Cultural walk to Art Gallery and Cathedral Cave by Simon Ling

12.00pm **Lunch** – Included in the program at Carnarvon National Park

6.00pm **Dinner** – Included in the program at Carnarvon National Park

Note: there is a very early morning departure tomorrow. Please ensure you have packed all your belongings tonight.

Thursday, 10 May 2018

CARNARVON – BRISBANE HOMESTAYS

Full travel day from Carnarvon National Park to Brisbane. You will leave very early morning and arrive into Brisbane mid-evening. You will be meeting your host families tonight. This will be your accommodation for the duration of your time in Australia.

5:15am **Check out of Takarakka Bush Resort**

Check out of Clayton Monash Ash Motor Inn. Make sure you have packed all your belongings, return any room keys and pay for any incidentals incurred. You will not be returning to this accommodation.

5:30am Board your Kangaroo Bus lines coach and depart Takarakka Bush Resort for Griffith University, Nathan Campus to meet with host families.

8.00am Breakfast – Included in the program at Carnarvon National Park

12.00pm Lunch

5:00pm Arrive Griffith University, Nathan Campus and meet with Host families.
Meeting Point: Griffith University Eco Center
Griffith University, Nathan Campus, N68, 170 Kessels Rd, Nathan QLD 4111

6.00pm Dinner – Included in the program with homestay families.

General Homestay Contact:

Samantha Hilbig, Homestay Coordinator
Campus Life Nathan Campus, Griffith University
170 Kessels Rd, Nathan
Brisbane Queensland 4111 Australia
Telephone: 07 3735 7919
Emergency Contact Homestay Mobile: 0419 720 826

Homestay student information

Semi catered (2 meals a day)
Single placements

Leader accommodation details

Kangaroo Point Holiday Apartments
2-bedroom apartment
Check in: May 10th Check out: May 22nd
Full self-sufficient apartment with kitchen and laundry facilities
Address: 819 Main St, Kangaroo Point QLD 4169
Phone: 07 3391 6855

Friday, 11 May 2018

BRISBANE HOMESTAYS

8.00am Breakfast – Included in the Program for students (provided by Homestay Family)

12.00pm Lunch

6.00pm Dinner – Included in the Program for students (provided by Homestay Family)

study weekend

Saturday, 12 May 2018

BRISBANE HOMESTAYS

8.00am Breakfast – Included in the Program for students (provided by Homestay Family)

12.00pm Lunch

6.00pm **Dinner** – Included in the Program for students (provided by Homestay Family)

study weekend

Sunday, 13 May 2018

BRISBANE HOMESTAYS

8.00am **Breakfast** – Included in the Program for students (provided by Homestay Family)

1.30pm **Lunch**

6.00pm **Dinner** – Included in the Program for students (provided by Homestay Family)

Study weekend

Monday, 14 May 2018


BRISBANE HOMESTAYS

8.00am **Breakfast** – Included in the Program for students (provided by Homestay Family)


8:30am **Catch public transit from Homestays to the University of Queensland Campus.**

*****Note:*** *There will be multiple routes depending on each host family location. The best way to travel will be by bus. You will need to ensure you arrive at the **UQ, Lakes Bus Station**. From here you will be able to walk to your lecture location. As this is the first time you will be making your way to UQ please ensure you leave adequate time for public transit routes as well as finding your lecture location on campus.*

10:00am **Coal Port Expansion in Australia from view of Australian Marine Conservation Society (AMCS)**
Presented by Lissa Schindler/ Imogen Zethoven – AMCS
Location: TBC

11:00am **Environmental Action Around the Globe and Green Peace experience** 
Presented by Cole McLean -secured yes 28/11
Location: TBC

12.00pm **Lunch**

1:00pm **National Tourism Accreditation Framework and Sustainability (50 mins)** 
Presented by Mr. Daniel Gschwind, CEO of the Queensland Tourism Industry Council.

2:00pm **Social Divisions in Australian Society (50 mins)**
Presented by: Melissa Harper, UQ lecturer
Location: TBC

3:00pm **Gender Issues in Australia (50 mins)**
Presented by: Melissa Harper, UQ lecturer
Location: TBC

4:00pm **Make your way back to your homestays via public transit**

6.00pm **Dinner** – Included in the Program for students (provided by Homestay Family)

Tuesday, 15 May 2018

BRISBANE HOMESTAYS

7:00am **Breakfast** – Included in the Program for students (provided by Homestay Family)

***Note: Most of your host families have been located close to public transit routes. It will be your responsibility to allow yourself enough time to commute to the University of Queensland campus in St Lucia for your academics each day. The main route will be by bus. Make sure you have your GoCard with you at all times.*

8:00am **Depart from your homestay to UQ, Lakes Station.**

9:00am **Urban Area Flood Management Introduction (50 mins)**

Presented by Alan Hoban, Director of Planning, Water and Environment at Bligh Tanner

Location: TBC

Alan Hoban will be with you for the duration of the day today, please note these times may vary depending on weather and public transit commutes.

10:00am **Tour of the new Global Change Institute Building at the University of Queensland**

11:00am **Travel via CityCat on the Brisbane River to Southbank**

Along the way you consider the role of storm water discharges into the river.

12:00pm **Tour Southbank aquativity and waterplay systems**

12:30pm **Lunch – At own expense at Southbank**

1:30pm **Tour of the Southbank Rainbank (storm water harvesting system)**

2:30pm **CityCat to New Farm Park**

3:00pm **Examine new flood protection devices**

3:30pm **Visit sewer mining plant**

4:30pm **Public transit back to homestay families.**

6.00pm **Dinner** – Included in the Program for students (provided by Homestay Family)

Wednesday, 16 May 2018

BRISBANE HOMESTAYS

8.00am **Breakfast** – Included in the Program for students (provided by Homestay Family)

12.00pm **Lunch**

6.00pm **Dinner** – Included in the Program for students (provided by Homestay Family)

Study day

Thursday, 17 May 2018

BRISBANE HOMESTAYS

- 8.00am** **Breakfast** – Included in the Program for students (provided by Homestay Family)
- 10am **Examination – Marine Biology (2 hours)**
Griffith University Nathan Campus
- 12.00pm** **Lunch**
- 2pm **Examination – Terrestrial Ecology**
Presented by St Olaf faculty, Gary and Sian Muir
Location: Griffith University Nathan Campus
Instructions will be provided on the day.
- 6.00pm** **Dinner** – Included in the Program for students (provided by Homestay Family)

Friday, 18 May 2018

BRISBANE HOMESTAYS

- 9.00am** **Breakfast** – Included in the Program for students (provided by Homestay Family)
- 10.00am** **Examination – Cultural Anthropology**
Griffith University Nathan Campus
- 12.00pm** **Lunch**
- 2.00pm** **Environmental Policy Final Examination (2 hours)**
Location: Griffith University Nathan Campus
Instructions will be provided on the day.
- 6.00pm** **Dinner** – Included in the Program for students (provided by Homestay Family)

Saturday, 19 May 2018

BRISBANE HOMESTAYS

- 8.00am** **Breakfast** – Included in the Program for students (provided by Homestay Family)
- 12.00pm** **Lunch**
- 6.00pm** **Dinner** – Included in the Program for students (provided by Homestay Family)

Sunday, 20 May 2018

BRISBANE HOMESTAYS

- 8.00am** **Breakfast** – Included in the Program for students (provided by Homestay Family)

12.00pm **Lunch**

6.00pm **Dinner** – Included in the Program for students (provided by Homestay Family)

Monday, 21 May 2018

BRISBANE HOMESTAYS to Brisbane Hotel

8.00am **Breakfast** – Included in the Program for students (provided by Homestay Family)

9.00am Meet at the Griffith University Eco Center

9.30am Board your Brisbane 360 coach to Brisbane hotel accommodation

12.00pm **Lunch**

6:30pm **Farewell Dinner** – Included in the Program

Tuesday, 22 May 2018

BRISBANE – USA

6:30am **Breakfast** – ISA provided stipend, included at accommodation

7:00am **Board your Brisbane 360 charter bus to Brisbane International Airport**

7:30am **Arrive Brisbane International Airport**

10:20am: **International Flight Qantas 15 from Brisbane to LAX**