

Bachelor of Applied Science [BAppSc]

To be read in conjunction with Unitec's Academic Statute and associated Policies and Procedures.

These programme regulations apply to the Bachelor of Applied Science [BAppSc] programme, which leads to the Bachelor of Applied Science (Level 7) qualification, with endorsements in majors in Animal Management and Welfare, Biodiversity Management, and Double Majors (360 Credits) [CA2359].

These regulations come into effect from Semester 2, 2021.

1. Ngā Ture Hei Whakaurunga | Admission Requirements

To be eligible for admission to this programme, all applicants must meet three admission requirements:

- a. Requirements for either general admission, special admission, or discretionary admission
- b. Any additional Programme specific requirements
- c. English language requirements

Admission Requirements comply with Unitec's Admission Requirements Guidelines.

1.1 Whakaurunga Whānui | General Admission

To be admitted to this programme all applicants must be at least 16 years of age on the date of the programme's commencement for the semester in which they wish to enrol (or provide a completed Early Release Exemption form), and meet the following requirements:

A minimum of 42 credits at NCEA Level 3 or higher on the National Qualifications Framework, with:

- a. 14 credits at Level 3 or higher in each of two subjects, with;
- b. a further 14 credits at Level 3 or higher taken from no more than two additional domains on the National Qualifications Framework or plus;
- c. a minimum of 14 credits at Level 1 or higher in Mathematics or Pangarau on the National Qualifications Framework: plus
- d. 8 credits at Level 2 or higher in English or Te Reo Māori (a minimum of 4 credits must be in Reading and a minimum of 4 credits must be in Writing);

Or

At least 3 'C' passes in the New Zealand University Bursaries Examinations;

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Successful completion of an approved qualification at Level 3 or above, where appropriate;

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Equivalent.

1.2 Whakaurunga Motuhake | Special Admission

Applicants must have:

- a. attained the age of 20 years on or before the first day of the semester in which study for the programme is to commence; and
- b. provided sufficient evidence of aptitude or appropriate work or other life experience that would indicate a successful outcome in the qualification.

1.3 Whakaurunga Kōwhiringa | Discretionary Admission

In exceptional cases an applicant who does not meet the general admission requirements and who has not reached the age of 20 on or before the first day of the semester in which study for the Certificate is to commence may apply for discretionary admission. Applicants may be granted Discretionary Admission if they have:

• a minimum of 68 NCEA credits at Level 2 in their best 4 subjects, or have a maximum total of 12 in New Zealand Sixth Form Certificate in their best four subjects, or equivalent.

In assessing whether to grant discretionary admission in exceptional cases, the primary focus will be on the applicant's level of preparedness for study at the required level.

1.4 Whakaurunga Tautui | Programme Specific Requirements

There are no additional Programme Specific requirements.

1.5 Whakaurunga Reo Pākehā | English Language Admission Requirements

Applicants must have achieved a minimum standard of English as demonstrated by a minimum of 8 credits at Level 2 or higher in English or Te Reo Māori (a minimum of 4 credits must be in Reading and a minimum of 4 credits must be in Writing).

International applicants must also provide evidence that they have the necessary English language proficiency required for the Programme as demonstrated through the use of evidence of one of the kinds described in NZQA Rules on the Unitec English Language Requirements for International Students Web-page.

2. Paearu Kōwhiri Tukanga| Selection Criteria & **Process**

2.1 Paearu Kōwhiri | Selection Criteria

When the number of eligible applicants for admission exceeds the number of places available, the following selection criteria will be applied:

- Previous academic history;
- Motivation to complete the programme;
- Written and verbal communication skills; and
- General aptitude

Applicants who meet the maximum number of listed criteria will be the preferred candidates

Selection Criteria and Processes comply with Unitec's Admission Requirements Guidelines.

2.2 Tukanga Kōwhiri | Selection Process

Selection will be made by Unitec staff members with the delegated authority to offer places to applicants. These staff members will select students on the basis of written information supplied on the enrolment form. At the discretion of the staff members, an interview (face-to-face or electronic) may be required. A list of delegated staff members is maintained by the Programme Academic Quality Committee (PAQC) responsible for the programme.

3. Ngā Ture Hei Whakawhiwhi Tohu Mātauranga | Requirements for the Award of the Programme

3.1 Whakaemi Tūtukitanga | Credit Accumulation

To be awarded the Bachelor of Applied Science with a single Major a student must successfully complete a minimum of 360 credits in the pattern set out in Table 1a-b from the courses set out in Table 2a-c depending on their chosen major.

Compulsory Credits Level 5 120 6 75 7 45 5. 6 or 7

Table 1a: Credit Requirements for Bachelor of Applied Science (Animal Management and Welfare Major) and (Biodiversity Management Major) **Elective Credits**

30

90*

Total Credits

120

75

75

90

360

To be awarded the Bachelor of Applied Science with a double Major (in Animal Management and Welfare and Biodiversity Management), a student must successfully complete a minimum of 360 credits in the pattern set out in Table 1c from the courses set out in Table 2d.

Table 1b: Credit Requirements for Bachelor of Applied Science with a double major (Animal Management and Welfare and Biodiversity Management)

Level	Compulsory Credits	Elective Credits	Total Credits
5	150		150
6	135		135
7	60	15	75
			360

Requirements comply with Unitec's **Programme** Completion and **Awards Policy** and associated procedure.

^{*} Maximum of 30 level 5 elective credits.

Table 2a: Course Details – Bachelor of Applied Science – Animal Management and Welfare Major Compulsory courses are shown in **bold** and Elective courses in *italics*.

Course No	Course Name	Credits	Pre- requisites	Co-requisites	Restrictions
Level 5					
NSCI5103	Diversity of Life: Animals	15			
NSCI5104	Principles of Biology	15			
NSCI5702	Introduction to Animal Behaviour and Welfare	15			
NSCI5730	Earth Processes	15			
NSCI5731	Principles of Ecology	15			
NSCI5734	Contemporary Issues in Biology	15			
NSCI5735	Science and Society	15			
NSCI5738	Principles of Animal Husbandry	15			
NSCI5101	Diversity of Life: Plants and Fungi	15			
NSCI5740	Techniques in Field Biology	15			
Level 6			·		
NSCI6730 Research Methods		15			
NSCI6731	1 Companion Animal Behaviour				
NSCI6732	Animal Health & Welfare	15			
NSCI6737	Animal Breeding & Nutrition	15			
NSCI6741	Vertebrate Physiology	15			
NSCI6735	Concepts in Biodiversity	15			
NSCI6738	Captive Wild Animal Management	15			
NSCI6739	Behavioural Ecology	15			
NSCI6743	Geographic Information Systems	15			
NSCI6744	Practicum	15			
NSCI6745	Ecological Evaluation and Management	15	NSCI5731		
NSCI6746	Ecological Risk and its Mitigation	15			
NSCI6747	Pacific Veterinary Nursing Practicum	15	NSCI5710		
NSCI6748	Molecular Genetics and Evolution	15	NSCI5104		
Level 7			·	<u> </u>	
NSCI7101	Global Issues in Animal Welfare Science	15	NSCI6732		
NSCI7731	Negotiated Research	30		NSCI6730	
NSCI7103	Anthrozoology	15			
NSCI7104	Restoration Ecology	15			
NSCI7105	Advanced Field Surveying of New Zealand Biota	15	NSCI5101 and NSCI5103		
NSCI7106	Applied Animal Behaviour Science	15	NSCI5702		
NSCI7107	Biosecurity	15			
NSCI7108	Field Trip	15			
NSCI7421	One Health	15			
NSCI7732			NSCI6745 or NSCI6735 or NSCI6746 or NSCI6738		
NSC17736	Applied GIS	15	NSCI6743		

NSC17738	Captive Wild Animal Population	15	NSCI6738		
	Management				
NSCI7810	Internship	15			

Subject to the approval of the relevant Academic Authority, students may select elective credits towards the BASCI up to a maximum of 30 credits from programmes internal or external to United at or above level 5.

Table 2b: Course Details – Bachelor of Applied Science – Biodiversity Management Major

Compulsory courses are shown in **bold** and Elective courses in *italics*.

Course No	Course Name	Credits	Pre- requisites	Co-requisites	Restrictions
Level 5					
NSCI5101	Diversity of Life: Plants and Fungi	15			
NSCI5103	Diversity of Life: Animals	15			
NSCI5104	4 Principles of Biology				
NSCI5730	Earth Processes	15			
NSCI5731	Principles of Ecology	15			
NSCI5734	Contemporary Issues in Biology	15			
NSCI5735	Science and Society	15			
NSCI5740	Techniques in Field Biology	15			
NSCI5702	Introduction to Animal Behaviour and Welfare	15			
NSCI5738	Principles of Animal Husbandry	15			
Level 6					
NSCI6730	Research Methods	15			
NSCI6735	Concepts in Biodiversity	15			
NSCI6739	Behavioural Ecology	15			
NSCI6745	Ecological Evaluation and Management	15	NSCI5731		
NSCI6746	Ecological Risk and its Mitigation	15			
NSCI6731	Companion Animal Behaviour	15			
NSCI6732	Animal Health & Welfare	15			
NSCI6737	Animal Breeding & Nutrition	15			
NSCI6738	Captive Wild Animal Management	15			
NSCI6741	Vertebrate Physiology	15			
NSCI6743	Geographic Information Systems	15			
NSCI6744	Practicum	15			
NSCI6747	Pacific Veterinary Nursing Practicum	15	NSCI 5710		
NSCI6748	Molecular Genetics and Evolution	15	NSCI 5104		
Level 7					
NSCI7105	Advanced Field Surveying of New Zealand Biota	15	NSCI5101 and NSCI5103		
NSCI7731	Negotiated Research	30		NSCI6730	
NSCI7101	Global Issues in Animal Welfare Science	15	NSCI6732		
NSCI7103	Anthrozoology	15			
NSCI7104	Restoration Ecology	15			
NSCI7106	Applied Animal Behaviour Science	15	NSCI5702		
NSCI7107	Biosecurity	15			
NSCI7108	Field Trip	15			
NSCI7421	One Health	15			

NSC17732	Conservation Science	15	NSCI6745 or	
			NSCI6735 or	
			NSCI6746 or	
			NSCI6738	
NSC17736	Applied GIS	15	NSCI6743	
NSC17738	Captive Wild Animal Population	15	NSCI6738	
	Management			
NSCI7810	Internship	15		

Subject to the approval of the relevant Academic Authority, students may select elective credits towards the BASCI up to a maximum of 30 credits from programmes internal or external to United at or above level 5.

Table 2c: Course Details – Bachelor of Applied Science with Double Major in Animal Management and Welfare and Biodiversity Management

Compulsory courses are shown in **bold** and Elective courses in *italics*.

Course No	Course Name	Credits	Pre- requisites	Co-requisites	Restrictions
Level 5					
NSCI5101	Diversity of Life: Plants and Fungi	15			
NSCI5103	Diversity of Life: Animals	15			
NSCI5104	CI5104 Principles of Biology				
NSCI5702	Introduction to Animal Behaviour and Welfare	15			
NSCI5730	Earth Processes	15			
NSCI5731	Principles of Ecology	15			
NSCI5734	Contemporary Issues in Biology	15			
NSCI5735	Science and Society	15			
NSCI5738	Principles of Animal Husbandry	15			
NSCI5740	Techniques in Field Biology	15			
Level 6					
NSCI6730	Research Methods	15			
NSCI6731	Companion Animal Behaviour	15			
NSCI6732	Animal Health & Welfare	15			
NSCI6735	Concepts in Biodiversity	15			
NSCI6737	Animal Breeding & Nutrition	15			
NSCI6739	Behavioural Ecology	15			
NSCI6741	Vertebrate Physiology	15			
NSCI6745	Ecological Evaluation and Management	15			
NSCI6746	Ecological Risk and Mitigation	15			
Level 7					
NSCI7101	Global Issues in Animal Welfare Science	15	NSCI6732		
NSCI7105	Advanced Field Surveying of New Zealand Biota	15	NSCI5101 And NSCI5103		
NSCI7731	Negotiated Research	30	113613103	NSCI6730	
And one of th					
NSCI7103	Anthrozoology	15			
NSCI7104	Restoration Ecology	15			
NSCI7106 Applied Animal Behaviour Science			NSCI5702		1

NSCI7107	Biosecurity	15		
NSCI7108	Field Trip	15		
NSCI7421	One Health	15		
NSC17732	Conservation Science	15	NSCI6745 or NSCI6735 or NSCI6746 or NSCI6738	
NSCI7810	Internship	15		

And 15 credits of elective courses at level 7 chosen from the BASCI programme.

3.2 Mahi Waehanga Pāhekoheko | Integrated and Work-based components

Practical learning opportunities provide students the chance to apply learning to practice in a supported environment. In the BASCI, there are a number of opportunities for practical and / work-based components. These include 15 credits of work experience in the elective courses Practicum at Level 6 and Internship at Level 7. This takes place within organisations by approval of the course coordinator

3.3 Mahi Akoranga I A Wāhanga | Course Load per Semester

The normal full-time course load is 60 credits per semester, or 75 credits with the approval of the relevant academic authority.

3.4 Whakaurunga Takiwā | Enrolment Periods

The normal enrolment period is three years (full-time study) or six years (part-time study). Students who are prevented by ill health, or other cause, from completing the programme requirements within the maximum period of enrolment, the relevant academic authority may approve suspension of enrolment for up to a maximum of one semester.

The maximum period to complete this Programme is 10 years.

3.5 Whakawhiwhi Tāpiripiri | Additional Awards

3.5.1 Exit Award

The exit award of the Diploma in Applied Science (Level 6, 240 Credits) was discontinued on 28/02/2019 and cannot be awarded after that date.

3.5.2 Senior Scholar Award

To be eligible for consideration to receive a Senior Scholar Award a student must have:

- a. achieved a cumulative Grade Point Average (GPA) of 8.0 (there is no rounding) or better across all degree courses for which s/he has been assessed in the programme; and
- achieved at least 2/3 of the total credits for the degree through enrolment in Unitec courses (i.e. have achieved no more than 1/3 of the credits by cross credits from another institution or by the assessment of prior learning).

4. Tūtukitanga Whakamihi | Credit Recognition

4.1 Whakawhiti Tūtukitanga | Cross Credit

Credits will not be awarded for successful study that took place more than 5 years prior to the date of first enrolment in the programme.

- a. A student may be awarded credits or exemptions in recognition of successful equivalent study, at the same or a higher level in the context of another programme.
- b. The credit recognition may be:
 - i. specified, where there is direct equivalence of the learning outcomes of a completed course and a course in the programme; or
 - ii. unspecified, where the previous study has taken place in a programme with a similar philosophy but there is no exact match in the programme's courses.

4.2 Aromatawai Tōmua | Assessment of Prior Learning (APL)

Assessment of Prior Learning is available for all courses in this programme. APL decisions will be made on a case-by-case basis under the United Assessment of Prior Learning Procedure.

Credit Recognition complies with Unitec's Assessment, Moderation and

Grades Policy

procedure.

and associated

4.3 Ngā whakawhitinga | Credit Transfer

There are no credit transfer arrangements in this Programme.

4.4 Ākonga Whakawhiti | Student Exchange

Study at an international partner institution is available in this Programme. Credit Recognition is applied to the Unitec student's academic record upon their return to New Zealand.

5. Waeture Aromatawai | Assessment Regulations

Assessment

Regulations comply with

Unitec's
Assessment,
Moderation and
Grades Policy
and associated
procedure.

5.1 Paparahi Aromatawai | Assessment Basis

Assessment in this programme is achievement-based using an 11-point grading scale. Students must obtain at least 50% overall score in any achievement-based course in order to pass that course.

5.2 Ākoranga Taumata | Course grades

Course grades will be determined by the mathematical aggregation of weighted assessment marks and reported according to the following scales. Participants must obtain at least 50% overall score in order to pass achievement-based assessment.

Table 3a: Achievement based 11-point assessment system

Grade	Meaning	Result	Percentage
A+	Distinction	Credits Earned	90 – 100
A	Distinction	Credits Earned	85 – 89
A-	Distinction	Credits Earned	80 – 84
B+	Merit	Credits Earned	75 – 79
В	Merit	Credits Earned	70 – 74
B-	Merit	Credits Earned	65 – 69
C+	Pass	Credits Earned	60 – 64
С	Pass	Credits Earned	55 – 59
C-	Pass	Credits Earned	50 – 54
D	Fail	No Credits Earned	40 – 49
E	Fail	No Credits Earned	0 – 39

5.3 Paearu Taumata | Grade Criteria

Students may be awarded one of the following grades for a course:

Table 4: Grade Criteria

Grade	Meaning	Criteria
CR	Credit Recognition	The student has applied for and been awarded a credit recognition from another qualification
CTG	Continuing	The Course runs for more than one semester and the final Summative Assessment has not yet occurred. No Credits earned
DEF	Deferred	The student has approval to complete a Course Assessment beyond the schedule date. Unless an exception has been approved, any Deferred Grade remaining on a student's record beyond a duration equal to that of the original course will be changed to the grade to which the Student would otherwise be entitled. No Credits earned.
DNC	Did not Complete	The grade DNC (Did Not Complete) is recorded if a student has either withdrawn after 75% of the scheduled Course duration; or not attempted a compulsory item of Assessment within a Course. No Credits earned.
ES	Student Exchange	The Student has completed an approved inter-institutional exchange and it is not appropriate for another grade to be awarded. No Credits earned.

NGA	No Grade Associated	Course assessment and reporting of results are not required for this course or are carried out by an external agency. No Credits earned
R	Restricted Pass	The student has been awarded a restricted pass subject to Relevant clause in this schedule. Credits earned.
W	Withdrawn	The student withdraws from a Course after 10% of the scheduled Course duration and up to, or at, the date at which 75% of the scheduled Course has passed. No credits earned.
#	Estimated Grade	If any portion of Summative Assessment has been estimated, the final grade will be an estimated grade, and annotated "#" on the Student's Academic Record.

6. Aromatawai Mahinga | Assessment Procedures

Assessment
Procedures
comply with
Unitec's
Assessment
Moderation and
Grades Policy
and associated
procedure.

6.1 Ākoranga Aromatawai | Course Assessment

Courses employ both formative and summative assessment activities. Formative assessments do not contribute to the final grade for a given course. All summative assessment elements are compulsory unless otherwise approved and noted in course information.

Students must attempt all compulsory assessment activities in order to pass and receive credit for any course. Students who do not attempt a compulsory item of assessment may be awarded a 'Did Not Complete' (DNC) for the whole course and may not earn any credits.

6.2 Aromatawai I Roto I Te Reo | Assessment in Te Reo

All students have the right to submit any summative assessment task in Te reo Māori. The process for submission of summative assessment work in Te reo Māori is governed by the United Assessment in Te Reo Māori procedure and detailed in course material.

6.3 Tāpaetanga Tōmuri | Submission and late submission of work

- a. The due dates for all summative assessment work will be notified at the commencement of each
- b. Any assessment that is submitted late (and does not have a prior approved extension) will be penalised by a deduction of 10% per day of the participants assignment mark, up to five (5) days, inclusive of weekends.
- c. Applications for extensions must be made by according to procedure noted in Student Handbooks and course documentation.
- d. Any extension will be carried out within a specified time period as agreed with the relevant academic authority and no further extensions will be granted.
- e. No assignment will be accepted five (5) days (inclusive of weekends) after the due date. If the assessment is not compulsory, the participants will receive a 'zero' grade for that assignment. If the assignment is compulsory, then the participants will receive a Did Not Complete (DNC) grade for the entire course.

6.4 Whakamātautau Anō | Resubmission or Reassessment

A student may apply to undertake a resubmission/reassessment for a failed assessment which scored a D grade within 5 days of receiving their marked assessment.

The following conditions apply:

- a. Students may only resit or resubmit one assessment item for each course and the overall performance of the student and/or Affected Performance Consideration will be taken into account when offering resits and/or resubmissions
- b. Students may only resit an assessment or examination to a maximum of two courses during any one academic year and/or at each level (fees may apply).
- c. Any approved resubmission/reassessment will be carried out within a specified time period as agreed with the relevant academic authority.
- d. In all cases for resubmission, the original marked assignment will accompany resubmitted assignments. If resubmitted work is not accompanied by the original marked assignment, the resubmitted work will not be marked and the original grade will stand.

- e. The maximum grade for any resubmission/reassessment of an assessment is the lowest pass grade.
- f. Assignments that are handed in late are not eligible for resubmission or reassessment.

6.5 Āhuatanga Aromatawai Motuhake | Affected Performance Consideration

A student may apply for Affected Performance Consideration (APC) if:

- The student is unable to attend an examination, compulsory assessment or fixed time and place assessment activity due to illness, injury, bereavement or other critical circumstances
- The student's preparation for, or performance in an examination or any summative assessment has been seriously impaired due to circumstances beyond their control

Applications for APC are made by a student within 5 working days of the affected assessment event. Decisions to approve an APC and to apply any remedy are made according to the Assessment and Grading Procedures and Regulations.

6.6 Pāhi Rāhui | Restricted Pass

A restricted pass may be awarded in a course which was narrowly failed and where there is ample evidence that marginal failure is compensated by good overall performance.

- a. A restricted pass is awarded at the discretion of the relevant academic authority and may not be applied for directly by a student.
- b. The relevant academic authority may, at their discretion, use a restricted pass to:
 - set conditions for future performance in other courses.
 - prevent a student from using a restricted pass to meet the prerequisite requirements of another course.
- c. A student may decline the award of a restricted pass by notifying the relevant academic authority in writing not later than 20 working days from notification of the results.

6.7 Tuaruatanga | Repeating Courses

Students who are repeating a Level 1–8 course would normally be required to submit all assessment items. In some cases, with the prior approval of the relevant academic authority, students may not be required to repeat an equivalent assessment item that they had previously passed. This should be negotiated within the first two weeks of the commencement of the course and will specify any course grade that will be carried over.

Students may enrol and repeat a course that they have failed only once. Permission to enrol for a third time is governed by Exclusion provisions below.

6.8 Whakakorenga | Exclusions

No student will be allowed to enrol in any course more than twice unless there are exceptional circumstances approved by the relevant academic authority.

- a. Any Student who fails to achieve at least 50 per cent of the credits that he or she is enrolled in in any 12-month period may be excluded by the relevant Academic Authority from re-enrolling in any further courses. The decision whether students can re-enrol in further courses will be based on a student's likelihood of succeeding in further study and will be made by the relevant Head of School.
- b. When calculating the 12-month period in a. above, Unitec reserves the right to include any relevant time spent by the Student studying at another tertiary institution.
- c. A Student who has not achieved a Pass Grade in the same Course on two occasions shall not be enrolled again for that Course except with the permission of the relevant Academic Authority.
- d. The relevant Academic Authority will advise the Student in writing of their decision, and the reasons for such decision, and any orders made.

6.9 Examination Regulations

All formal examinations in this programme are governed by the Unitec Examinations Regulations;

6.10 Tono Pīra | Appeals

Students may appeal the decisions made under these regulations in accordance with the Student Appeal Procedure.

7. Whakaritenga Whānui | General Provisions

7.1 Whakamāramatanga ā-kaupapa | Definition of Terms

In these regulations, unless the context otherwise requires, the following definitions shall apply:

 'Relevant academic authority' refers to an individual or role holder, or in some cases a committee, that has been delegated the authority to make a decision within a specific circumstance. A schedule of the various relevant academic authority delegations is maintained by the Programme Academic Quality Committee responsible for the Programme.

7.2 Hōtaka Whakarerekē O Ngā Āhuatanga Ako | Modified Programmes of Study Credit Transfer and Modified Programme of Study for NorthTec

Students who complete the New Zealand Diploma in Environmental Management (Level 6); or the Diploma in Conservation and Environmental Management (Level 6 - expiring) with a B+ average grade may apply to enrol in the Bachelor of Applied Science (Biodiversity Management) and receive 120 unspecified credits at level 5 and 120 unspecified credits at level 6 in recognition of their achievement.

Graduates of the NorthTec New Zealand Diploma in Environmental Management (Level 6) or Diploma in Conservation and Environmental Management (Level 6 - expiring) may be awarded 120 unspecified credits at level 5 and 120 unspecified credits at level 6 in recognition of their achievement.

8 Āhuatanga Tauwhirowhiro Ritenga | Transitional Arrangements

There are no transition arrangements currently active in this programme.

9. Regulation Version Control

Ver No.	Approved by	Date of Change	Effective from	Description of change
2	Various	Various	Various	Programme Regulations dated Sem2-2019 V2
3	NZQA	13/08/2021	2021-Sem2	Formal removal of the Science Communication Major Delete elective courses NSCI7102 and NSCI7737 that are no longer offered Amendments to Aim, Learning Outcomes, Topics and assessment
				for NSCI6746