

TLRI Project  
Understanding and Enhancing Learning Communities in  
Tertiary Education in Science and Engineering

Result for

**AUT**

Year 1: page 1-20  
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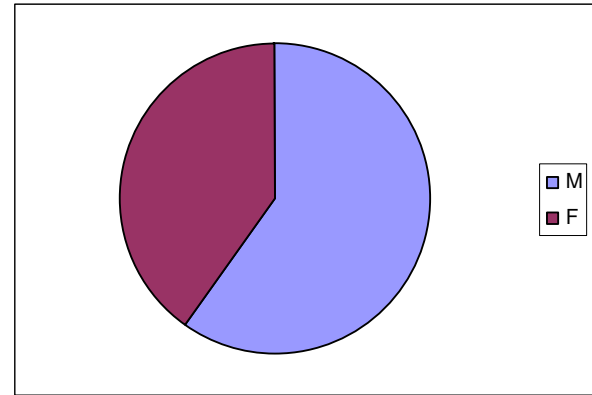
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Understanding and Enhancing Learning Communities in  
Tertiary Education in Science and Engineering

Result for

**Year 1 - AUT**

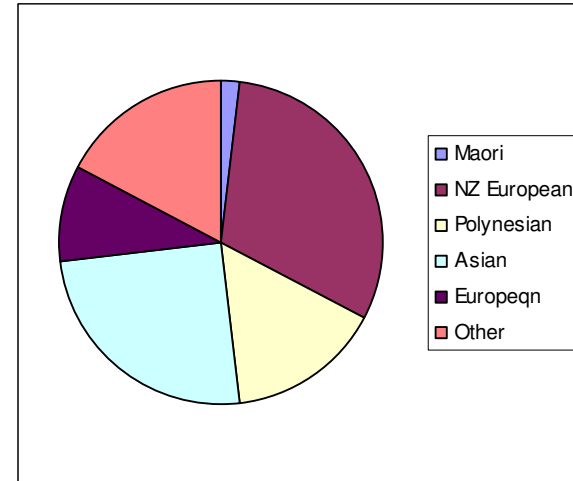
1. Sex

	Institution		AUT sex		Count	%
M				59.6%		
F				40.4%		
Total			52	100.0%		



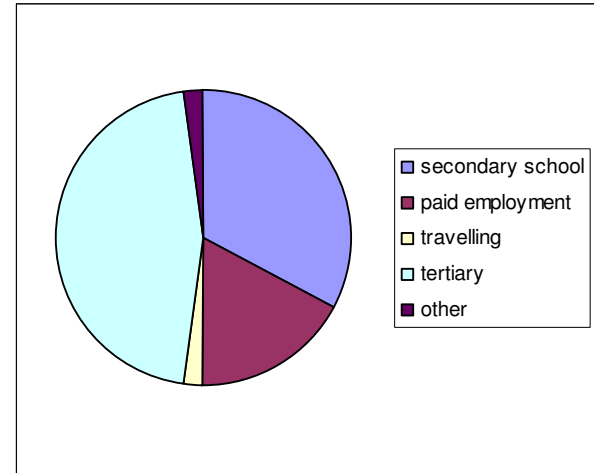
## 2. Ethic

	Institution			
	AUT		ethnic	
	Count	%		
Maori	1	1.9%		
NZ European	16	30.8%		
Polynesian	8	15.4%		
Asian	13	25.0%		
Europeqn	5	9.6%		
Other	9	17.3%		
Total	52	100.0%		



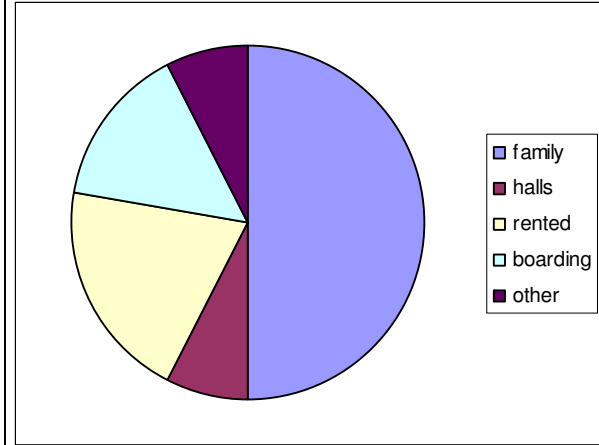
3. Before starting my tertiary studies this year, I was:

	Institution			
	AUT			
	Count	%		
secondary school	17	32.7%		
paid employment	9	17.3%		
travelling	1	1.9%		
tertiary	24	46.2%		
other	1	1.9%		
Total	52	100.0%		



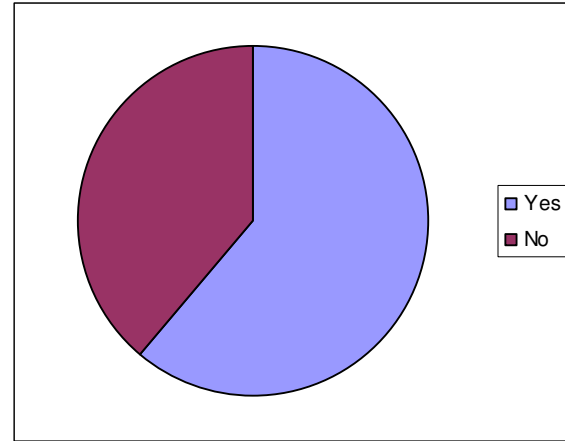
4. While doing my current tertiary studies, I am:

	Institution			
	AUT			
	Count	%		
family	27	50.0%		
halls	4	7.4%		
rented	11	20.4%		
boarding	8	14.8%		
other	4	7.4%		
Total	54	100.0%		



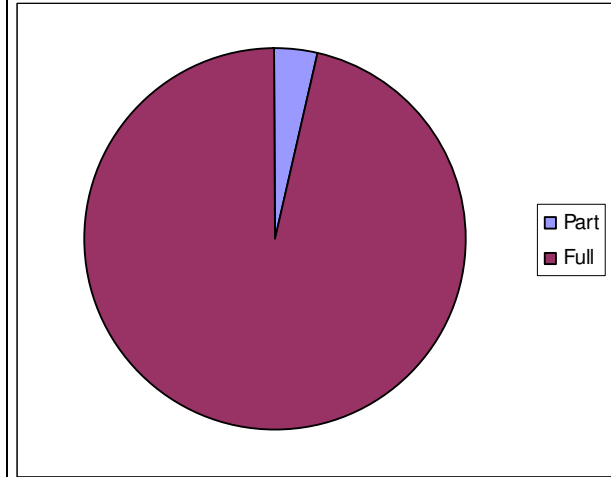
5. I am studying in my home city.

	AUT home city		Institution	
	Count	%		
yes	33	61.1%		
no	21	38.9%		
Total	54	100.0%		



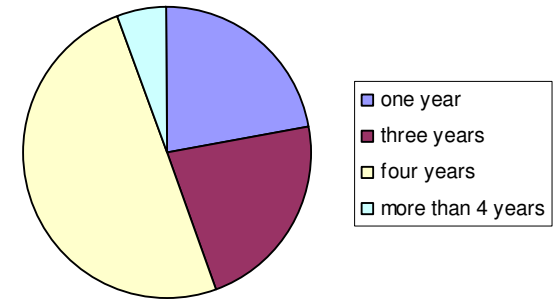
6. I am studying

	Institution			
	AUT			
	study mode			
	Count	%		
part-time	2	3.7%		
full-time	52	96.3%		
Total	54	100.0%		



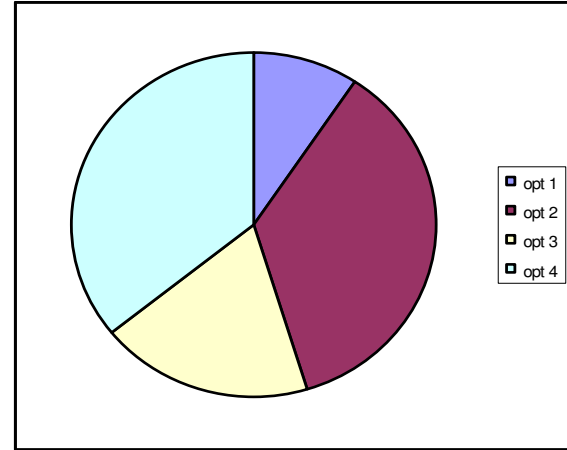
7. How long do you expect to be studying at this institution?

	Institution	
	AUT	
	study duration	
	Count	%
one year	12	22.2%
three years	12	22.2%
four years	27	50.0%
more than 4 years	3	5.6%
Total	54	100.0%



8. Which of the following statements best describes your situation:

	Institution			
	AUT		situation	
	Count	%		
opt 1	5	9.4%		
opt 2	19	35.8%		
opt 3	10	18.9%		
opt 4	19	35.8%		
Total	53	100.0%		

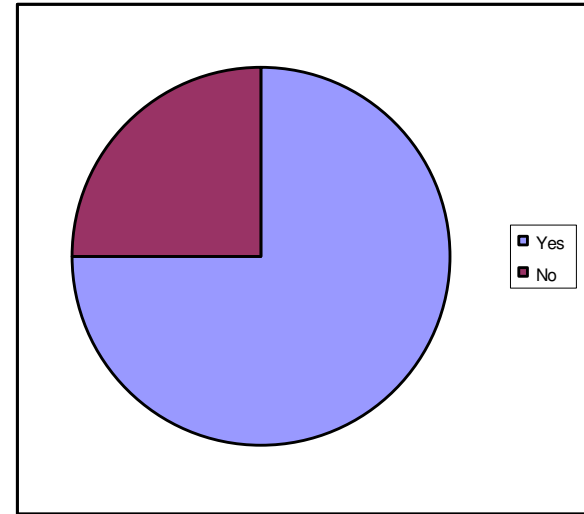


Options:

- 1: I am new to this institution and city and I do not yet know many other students studying here.
- 2: I have been living in this city for some time and I already have a group of friends who are studying here
- 3: Although I am new to this institution and city, I already have a group of friends who are studying here
- 4: Although I have been living in this city for some time, I do not yet know many other students studying here

9. Apart from holiday periods, do you expect to be in paid employment while you are studying?

	AUT employment		Institution					
	Count	%						
	yes	39	75.0%					
no	13	25.0%						
Total	52	100.0%						



10. What are the reasons you choose to do this course of study?

**Table (Overall)**

	Q10_Opt 1		Q10_Opt 2		Q10_Opt 3		Q10_Opt 4		Q10_Opt 5		Q10_Opt 6		Q10_Opt7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	93	24.9%	219	58.6%	321	85.8%	300	80.2%	136	36.4%	340	90.9%	360	96.3%
1 tick	151	40.4%	121	32.4%	49	13.1%	61	16.3%	167	44.7%	32	8.6%	14	3.7%
2 ticks	125	33.4%	32	8.6%	3	.8%	11	2.9%	65	17.4%	1	.3%	0	.0%
>1 double	5	1.3%	2	.5%	1	.3%	2	.5%	6	1.6%	1	.3%	0	.0%
Total	374	100.0%	374	100.0%	374	100.0%	374	100.0%	374	100.0%	374	100.0%	374	100.0%

**Table: AUT**

	Q10_Opt 1		Q10_Opt 2		Q10_Opt 3		Q10_Opt 4		Q10_Opt 5		Q10_Opt 6		Q10_Opt7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	8	2.1%	42	11.2%	47	12.6%	43	11.5%	27	7.2%	47	12.6%	53	14.2%
1 tick	26	7.0%	10	2.7%	7	1.9%	9	2.4%	19	5.1%	7	1.9%	1	.3%
2 ticks	19	5.1%	2	.5%	0	.0%	2	.5%	7	1.9%	0	.0%	0	.0%
>1 double	1	.3%	0	.0%	0	.0%	0	.0%	1	.3%	0	.0%	0	.0%
Total	54	14.4%	54	14.4%	54	14.4%	54	14.4%	54	14.4%	54	14.4%	54	14.4%

**Options:**

- 1: I need it for my chosen career.
- 2: I enjoyed the subject at secondary school.
- 3: Careers advice at secondary school.
- 4: Family and friends advised me to do it.
- 5: I felt I would enjoy this subject.
- 6: Other students have told me that it is an interesting and enjoyable course.
- 7: Other

**Key:**

- no tick:** pp puts no tick on this option
- 1 tick:** pp puts one tick on this option
- 2 ticks:** pp puts two ticks on this option only
- >1 double:** pp puts two ticks on this option as well as other option(s)
- NR:** pp does not put tick on any options

**11a.** Which of these have you experienced in your past education?

**Table (Overall)**

	Q11a_Opt 1		Q11a_Opt 2		Q11a_Opt 3		Q11a_Opt 4		Q11a_Opt 5		Q11a_Opt 6		Q11a_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	25	6.8%	85	23.2%	87	23.7%	48	13.1%	104	28.3%	59	16.1%	97	26.4%
1 tick	342	93.2%	282	76.8%	280	76.3%	319	86.9%	263	71.7%	308	83.9%	270	73.6%
Total	367	100.0%	367	100.0%	367	100.0%	367	100.0%	367	100.0%	367	100.0%	367	100.0%

**Table: AUT**

	Q11a_Opt 1		Q11a_Opt 2		Q11a_Opt 3		Q11a_Opt 4		Q11a_Opt 5		Q11a_Opt 6		Q11a_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	8	2.2%	18	4.9%	20	5.4%	14	3.8%	22	6.0%	17	4.6%	24	6.5%
1 tick	45	12.3%	35	9.5%	33	9.0%	39	10.6%	31	8.4%	36	9.8%	29	7.9%
Total	53	14.4%	53	14.4%	53	14.4%	53	14.4%	53	14.4%	53	14.4%	53	14.4%

**Options:**

- 1: Completing book or worksheet based exercises and problems
- 2: Lecture or presentation from teacher
- 3: In class discussion or debate with teacher and pupils
- 4: Practical activities, e.g. laboratory, workshop, or project work
- 5: Preparing and making a presentation to the class
- 6: Personal reading and research
- 7: Field trips and activities outside the school

**Key:**

- no tick:** pp puts no tick on this option
- 1 tick:** pp puts one tick on this option
- NR:** pp does not put tick on any options

**11b:** Which of these did you find enjoyable?

**Table (Overall)**

	Q11b_Opt 1		Q11b_Opt 2		Q11b_Opt 3		Q11b_Opt 4		Q11b_Opt 5		Q11b_Opt 6		Q11b_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	222	61.5%	242	67.0%	156	43.2%	66	18.3%	300	83.1%	226	62.6%	109	30.2%
1 tick	119	33.0%	106	29.4%	162	44.9%	170	47.1%	55	15.2%	115	31.9%	166	46.0%
2 ticks	8	2.2%	5	1.4%	26	7.2%	92	25.5%	1	.3%	10	2.8%	55	15.2%
>1 double	12	3.3%	8	2.2%	17	4.7%	33	9.1%	5	1.4%	10	2.8%	31	8.6%
Total	361	100.0%	361	100.0%	361	100.0%	361	100.0%	361	100.0%	361	100.0%	361	100.0%

**Table: AUT**

	Q11b_Opt 1		Q11b_Opt 2		Q11b_Opt 3		Q11b_Opt 4		Q11b_Opt 5		Q11b_Opt 6		Q11b_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	30	8.3%	32	8.9%	20	5.5%	14	3.9%	44	12.2%	28	7.8%	19	5.3%
1 tick	14	3.9%	15	4.2%	23	6.4%	23	6.4%	6	1.7%	19	5.3%	19	5.3%
2 ticks	3	.8%	0	.0%	3	.8%	8	2.2%	0	.0%	2	.6%	7	1.9%
>1 double	4	1.1%	4	1.1%	5	1.4%	6	1.7%	1	.3%	2	.6%	6	1.7%
Total	51	14.1%	51	14.1%	51	14.1%	51	14.1%	51	14.1%	51	14.1%	51	14.1%

**Options:**

- 1: Completing book or worksheet based exercises and problems
- 2: Lecture or presentation from teacher
- 3: In class discussion or debate with teacher and pupils
- 4: Practical activities, e.g. laboratory, workshop, or project work
- 5: Preparing and making a presentation to the class
- 6: Personal reading and research
- 7: Field trips and activities outside the school

**Key:**

- no tick:** pp puts no tick on this option  
**1 tick:** pp puts one tick on this option  
**NR:** pp does not put tick on any options

**11c:** Which of these helped you to understand what you were studying?

**Table (Overall)**

	Q11c_Opt 1		Q11c_Opt 2		Q11c_Opt 3		Q11c_Opt 4		Q11c_Opt 5		Q11c_Opt 6		Q11c_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	110	30.1%	148	40.4%	153	41.8%	75	20.5%	264	72.1%	123	33.6%	206	56.3%
1 tick	203	55.5%	177	48.4%	166	45.4%	191	52.2%	90	24.6%	195	53.3%	134	36.6%
2 ticks	29	7.9%	22	6.0%	26	7.1%	63	17.2%	4	1.1%	24	6.6%	10	2.7%
>1 double	24	6.6%	19	5.2%	21	5.7%	37	10.1%	8	2.2%	24	6.6%	16	4.4%
Total	366	100.0%	366	100.0%	366	100.0%	366	100.0%	366	100.0%	366	100.0%	366	100.0%

**Table: AUT**

	Q11c_Opt 1		Q11c_Opt 2		Q11c_Opt 3		Q11c_Opt 4		Q11c_Opt 5		Q11c_Opt 6		Q11c_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	17	4.6%	24	6.6%	26	7.1%	15	4.1%	37	10.1%	17	4.6%	37	10.1%
1 tick	24	6.6%	23	6.3%	21	5.7%	24	6.6%	11	3.0%	26	7.1%	13	3.6%
2 ticks	4	1.1%	2	.5%	1	.3%	7	1.9%	1	.3%	5	1.4%	1	.3%
>1 double	8	2.2%	4	1.1%	5	1.4%	7	1.9%	4	1.1%	5	1.4%	2	.5%
Total	53	14.5%	53	14.5%	53	14.5%	53	14.5%	53	14.5%	53	14.5%	53	14.5%

**Options:**

- 1: Completing book or worksheet based exercises and problems
- 2: Lecture or presentation from teacher
- 3: In class discussion or debate with teacher and pupils
- 4: Practical activities, e.g. laboratory, workshop, or project work
- 5: Preparing and making a presentation to the class
- 6: Personal reading and research
- 7: Field trips and activities outside the school

**Key:**

- no tick:** pp puts no tick on this option  
**1 tick:** pp puts one tick on this option  
**NR:** pp does not put tick on any options

**11d:** Which of these do you expect to do in your tertiary study?

**Table (Overall)**

	Q11d_Opt 1		Q11d_Opt 2		Q11d_Opt 3		Q11d_Opt 4		Q11d_Opt 5		Q11d_Opt 6		Q11d_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	77	21.2%	56	15.4%	158	43.4%	43	11.8%	221	60.7%	63	17.3%	208	57.1%
1 tick	255	70.1%	235	64.6%	190	52.2%	241	66.2%	133	36.5%	254	69.8%	136	37.4%
2 ticks	14	3.8%	46	12.6%	5	1.4%	44	12.1%	4	1.1%	23	6.3%	7	1.9%
>1 double	18	4.9%	27	7.4%	11	3.0%	36	9.9%	6	1.6%	24	6.6%	13	3.6%
Total	364	100.0%	364	100.0%	364	100.0%	364	100.0%	364	100.0%	364	100.0%	364	100.0%

**Table: AUT**

	Q11d_Opt 1		Q11d_Opt 2		Q11d_Opt 3		Q11d_Opt 4		Q11d_Opt 5		Q11d_Opt 6		Q11d_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	18	4.9%	16	4.4%	23	6.3%	10	2.7%	26	7.1%	14	3.8%	32	8.8%
1 tick	27	7.4%	28	7.7%	25	6.9%	26	7.1%	21	5.8%	26	7.1%	15	4.1%
2 ticks	3	.8%	4	1.1%	0	.0%	7	1.9%	2	.5%	4	1.1%	1	.3%
>1 double	3	.8%	3	.8%	3	.8%	8	2.2%	2	.5%	7	1.9%	3	.8%
Total	51	14.0%	51	14.0%	51	14.0%	51	14.0%	51	14.0%	51	14.0%	51	14.0%

**Options:**

- 1: Completing book or worksheet based exercises and problems
- 2: Lecture or presentation from teacher
- 3: In class discussion or debate with teacher and pupils
- 4: Practical activities, e.g. laboratory, workshop, or project work
- 5: Preparing and making a presentation to the class
- 6: Personal reading and research
- 7: Field trips and activities outside the school

**Key:**

- no tick:** pp puts no tick on this option  
**1 tick:** pp puts one tick on this option  
**NR:** pp does not put tick on any options

**12a:** At secondary school, where would you go to for help with your studies?

**Table (Overall)**

	Q12a_Opt 1		Q12a_Opt 2		Q12a_Opt 3		Q12a_Opt 4		Q12a_Opt 5	
	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	33	9.1%	193	53.3%	147	40.6%	132	36.5%	58	16.0%
1 tick	194	53.6%	148	40.9%	191	52.8%	198	54.7%	215	59.4%
2 ticks	98	27.1%	10	2.8%	7	1.9%	19	5.2%	55	15.2%
>1 double	37	10.2%	11	3.0%	17	4.7%	13	3.6%	34	9.4%
Total	362	100.0%	362	100.0%	362	100.0%	362	100.0%	362	100.0%

**Table: AUT**

	Q12a_Opt 1		Q12a_Opt 2		Q12a_Opt 3		Q12a_Opt 4		Q12a_Opt 5	
	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	7	1.9%	25	6.9%	28	7.7%	23	6.4%	13	3.6%
1 tick	31	8.6%	21	5.8%	20	5.5%	20	5.5%	25	6.9%
2 ticks	9	2.5%	2	.6%	0	.0%	5	1.4%	8	2.2%
>1 double	2	.6%	1	.3%	1	.3%	1	.3%	3	.8%
Total	49	13.5%	49	13.5%	49	13.5%	49	13.5%	49	13.5%

**Options:**

- 1: Teacher of the course
- 2: Family/whanau and friends
- 3: The Internet
- 4: Library or other books
- 5: Classmates doing the same course

**Key:**

- no tick:** pp puts no tick on this option  
**1 tick:** pp puts one tick on this option  
**2 ticks:** pp puts two ticks on this option only  
**>1 double:** pp puts two ticks on this option as well as other option(s)  
**NR:** pp does not put tick on any options

**12b:** During your tertiary studies, where do you expect to go for help?

**Table (Overall)**

	Q12b_Opt 1		Q12b_Opt 2		Q12b_Opt 3		Q12b_Opt 4		Q12b_Opt 5	
	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	43	11.7%	252	68.3%	90	24.4%	61	16.5%	64	17.3%
1 tick	202	54.7%	104	28.2%	236	64.0%	214	58.0%	231	62.6%
2 ticks	74	20.1%	4	1.1%	12	3.3%	56	15.2%	35	9.5%
>1 double	50	13.6%	9	2.4%	31	8.4%	38	10.3%	39	10.6%
Total	369	100.0%	369	100.0%	369	100.0%	369	100.0%	369	100.0%

**Table: AUT**

	Q12b_Opt 1		Q12b_Opt 2		Q12b_Opt 3		Q12b_Opt 4		Q12b_Opt 5	
	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	7	1.9%	36	9.8%	16	4.3%	10	2.7%	11	3.0%
1 tick	29	7.9%	14	3.8%	30	8.1%	31	8.4%	29	7.9%
2 ticks	11	3.0%	1	.3%	2	.5%	5	1.4%	4	1.1%
>1 double	5	1.4%	1	.3%	4	1.1%	6	1.6%	8	2.2%
Total	52	14.1%	52	14.1%	52	14.1%	52	14.1%	52	14.1%

**Options:**

- 1: Teacher of the course
- 2: Family/whanau and friends
- 3: The Internet
- 4: Library or other books
- 5: Classmates doing the same course

**Key:**

- no tick:** pp puts no tick on this option
- 1 tick:** pp puts one tick on this option
- 2 ticks:** pp puts two ticks on this option only
- >1 double:** pp puts two ticks on this option as well as other option(s)
- NR:** pp does not put tick on any options

**Key for mean:**

1: Strongly agree    2: Agree    3: Neutral  
 4: Disagree        5: Strongly disagree

Inst.	AUT			Total			Question
	N	Mean	SD	N	Mean	SD	
Q13	54	2.06	0.83	372	2.11	0.82	13. I expect to find subject content at tertiary level more difficult to understand than the subject content I studied at secondary school
Q14	54	3.28	1.19	372	3.49	1.02	14. I expect to have a lot of free time while I am studying
Q15	54	2.93	1.08	372	2.88	1.04	15. I expect to be involved in my institution's sport clubs and activities while studying here
Q16	54	3.17	0.91	373	3.29	0.92	16. I expect to be involved in my institution's cultural clubs and activities while studying here
Q17	54	2.28	0.96	374	2.30	0.88	17. I expect to socialize most with new friends I will make while studying here
Q18	54	2.50	0.97	374	2.45	0.89	18. I expect to socialize most with friends I had before I began studying here
Q19	54	2.28	0.76	373	2.20	0.75	19. I expect to benefit from being in contact with active researchers
Q20	54	1.76	0.61	373	1.92	0.70	20. I expect to find course information and resources on the web/internet
Q21	54	1.76	0.75	372	1.87	0.72	21. I expect helpful and timely feedback on my progress from my teachers
Q22	54	1.67	0.55	373	1.84	0.67	22. I expect to have to learn lots of facts
Q23	54	1.56	0.60	371	1.67	0.59	

Inst.	AUT			Total			Question
	N	Mean	SD	N	Mean	SD	
							23. I expect to learn practical, problem-solving skills
Q24	54	1.50	0.95	372	1.43	0.69	24. I expect the qualification I get to help me get a job
Q25	54	1.70	0.82	372	1.73	0.72	25. I expect lecturers/tutors to be available to answer my questions
Q26	54	2.76	0.91	371	2.73	0.77	26. I expect to get to know lecturers/tutors on a personal level
Q27	54	1.76	0.67	369	1.71	0.70	27. I expect to use a computer during my studies
Q28	54	1.83	0.72	369	2.03	0.80	28. I expect computer skills to be an important aspect of my studies
Q29	54	2.09	0.87	369	2.19	0.80	29. I expect academic pressure on me as a student
Q30	54	2.33	1.08	368	2.36	0.91	30. I expect a heavy workload
Q31	54	1.80	0.74	368	1.87	0.69	31. I expect to have a clear idea of what is expected of me in my courses
Q32	54	2.20	0.76	367	2.02	0.76	32. I am looking forward to my time as a tertiary student
Q33	54	1.76	0.61	367	1.84	0.67	33. I will be expected to produce work of a high standard
Q34	54	2.15	0.68	367	2.17	0.67	34. I expect to feel part of the learning community in this institution
Q35	54	2.09	0.92	367	2.14	0.79	35. I expect to be tested on things I have memorized
Q36	54	1.81	0.70	367	1.89	0.62	36. I expect to be tested on my ability to solve practical problems
Q37	54	2.43	1.02	363	2.64	0.95	37. I expect to go on to further study after I complete this qualification

Inst.	AUT			Total			Question
	N	Mean	SD	N	Mean	SD	
Q38	54	2.15	0.71	365	2.08	0.64	38. I expect to be tested on my ability to solve theoretical problems
Q39	54	2.00	0.97	365	1.99	0.83	39. I expect what I learn to be directly relevant to my later employment
Q40	54	1.76	0.80	365	1.95	0.84	40. I expect lectures to be interesting and enjoyable
Q41	54	1.59	0.86	365	1.69	0.68	41. I expect practical teaching sessions, e.g. laboratory or workshop sessions, to be interesting and enjoyable

TLRI Project  
Understanding and Enhancing Learning Communities in  
Tertiary Education in Science and Engineering

Result for

**Year 2 - AUT**

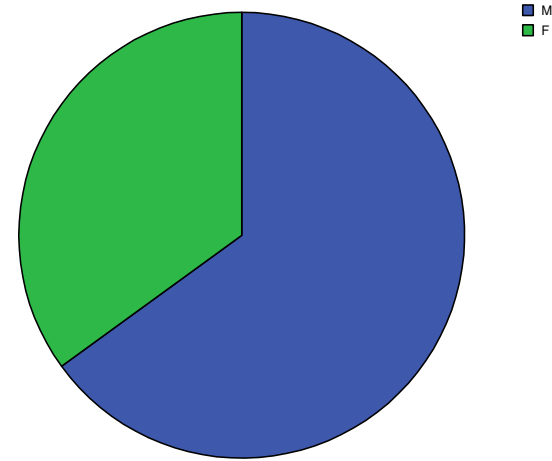
1. Sex

**Sex  
sex**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	M	130	65.0	65.0	65.0
	F	70	35.0	35.0	100.0
	Total	200	100.0	100.0	

		Institution								Total	
		AUT		CPIT		UOW		Wintec		Count	Col %
		Count	Col %	Count	Col %	Count	Col %	Count	Col %		
sex	M	48	52.7%	13	100.0%	43	69.4%	26	76.5%	130	65.0%
	F	43	47.3%	0	.0%	19	30.6%	8	23.5%	70	35.0%
	Total	91	100.0%	13	100.0%	62	100.0%	34	100.0%	200	100.0%

**sex**



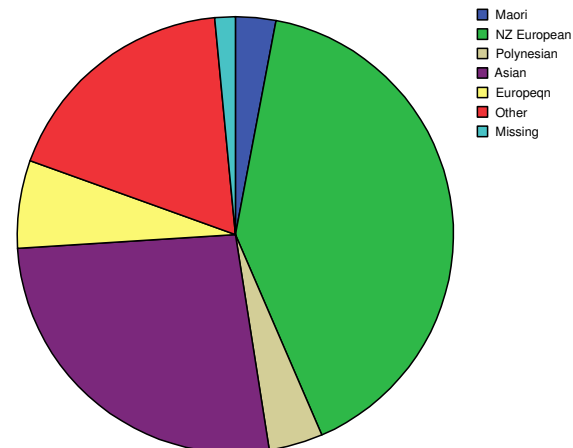
## 2. Ethic

ethnic

ethnic

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Maori	6	3.0	3.0	3.0
	NZ European	81	40.5	41.1	44.2
	Polynesian	8	4.0	4.1	48.2
	Asian	53	26.5	26.9	75.1
	Europeqn	13	6.5	6.6	81.7
	Other	36	18.0	18.3	100.0
	Total	197	98.5	100.0	
Missing	>1 choice	3	1.5		
Total		200	100.0		

ethnic



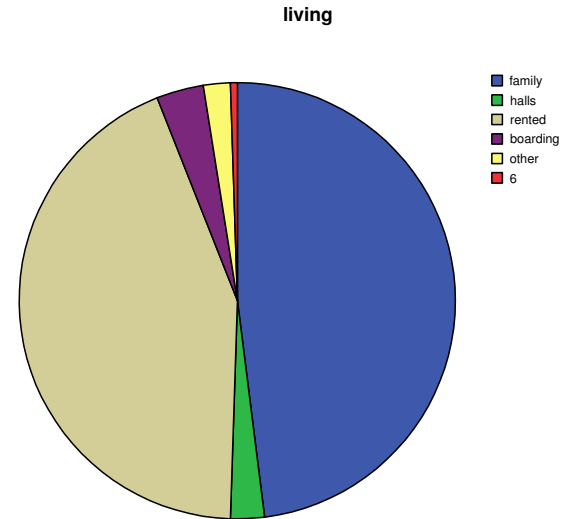
		Institution								Total	
		AUT		CPIT		UOW		Wintec		Count	Col %
		Count	Col %	Count	Col %	Count	Col %	Count	Col %		
ethnic	Maori	1	1.1%	0	.0%	2	3.3%	3	8.8%	6	3.0%
	NZ European	16	17.8%	9	75.0%	40	65.6%	16	47.1%	81	41.1%
	Polynesian	7	7.8%	0	.0%	0	.0%	1	2.9%	8	4.1%
	Asian	37	41.1%	3	25.0%	9	14.8%	4	11.8%	53	26.9%
	Europeqn	10	11.1%	0	.0%	2	3.3%	1	2.9%	13	6.6%
	Other	19	21.1%	0	.0%	8	13.1%	9	26.5%	36	18.3%
Total		90	100.0%	12	100.0%	61	100.0%	34	100.0%	197	100.0%

3. While doing my current tertiary studies, I am:

living

living

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	family	96	48.0	48.0	48.0
	halls	5	2.5	2.5	50.5
	rented	87	43.5	43.5	94.0
	boarding	7	3.5	3.5	97.5
	other	4	2.0	2.0	99.5
	6	1	.5	.5	100.0
	Total	200	100.0	100.0	



		Institution								Total	
		AUT		CPIT		UOW		Wintec		Count	Col %
		Count	Col %	Count	Col %	Count	Col %	Count	Col %		
living	family	50	54.9%	7	53.8%	18	29.0%	21	61.8%	96	48.0%
	halls	2	2.2%	0	.0%	3	4.8%	0	.0%	5	2.5%
	rented	29	31.9%	6	46.2%	41	66.1%	11	32.4%	87	43.5%
	boardi ng	6	6.6%	0	.0%	0	.0%	1	2.9%	7	3.5%
	other	4	4.4%	0	.0%	0	.0%	0	.0%	4	2.0%
	6	0	.0%	0	.0%	0	.0%	1	2.9%	1	.5%
Total		91	100.0 %	13	100.0 %	62	100.0 %	34	100.0 %	200	100.0 %

4. I am studying:

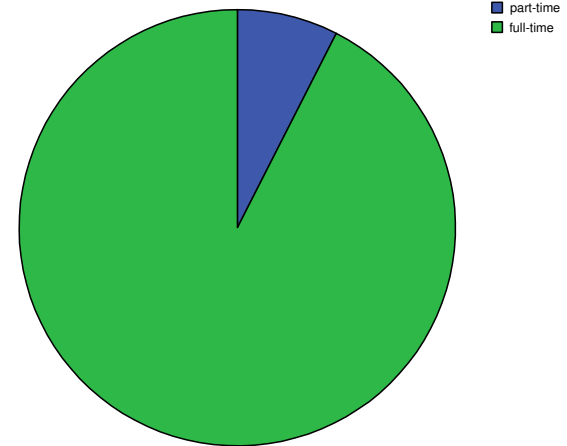
study mode

study mode

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid part-time	15	7.5	7.5	7.5
full-time	185	92.5	92.5	100.0
Total	200	100.0	100.0	

		Institution								Total	
		AUT		CPIT		UOW		Wintec			
study mode	part-time	Count	Col %	Count	Col %	Count	Col %	Count	Col %	Count	Col %
	full-time	84	92.3%	11	84.6%	61	98.4%	29	85.3%	185	92.5%
Total		91	100.0%	13	100.0%	62	100.0%	34	100.0%	200	100.0%

study mode

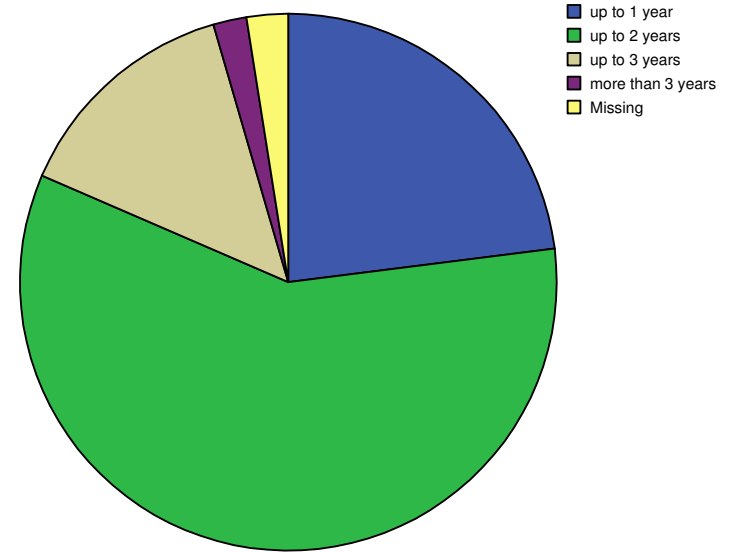


5. How much longer do I expect to be studying:

**study duration**  
**study duration**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	up to 1 year	46	23.0	23.6	23.6
	up to 2 years	117	58.5	60.0	83.6
	up to 3 years	28	14.0	14.4	97.9
	more than 3 years	4	2.0	2.1	100.0
	Total	195	97.5	100.0	
Missing	NR	5	2.5		
Total		200	100.0		

**study duration**



		Institution								Total	
		AUT		CPIT		UOW		Wintec		Count	Col %
		Count	Col %	Count	Col %	Count	Col %	Count	Col %		
study duration	up to 1 year	14	15.4%	9	69.2%	9	14.8%	14	46.7%	46	23.6%
	up to 2 years	63	69.2%	4	30.8%	35	57.4%	15	50.0%	117	60.0%
	up to 3 years	11	12.1%	0	.0%	16	26.2%	1	3.3%	28	14.4%
	more than 3 years	3	3.3%	0	.0%	1	1.6%	0	.0%	4	2.1%
Total		91	100.0%	13	100.0%	61	100.0%	30	100.0%	195	100.0%

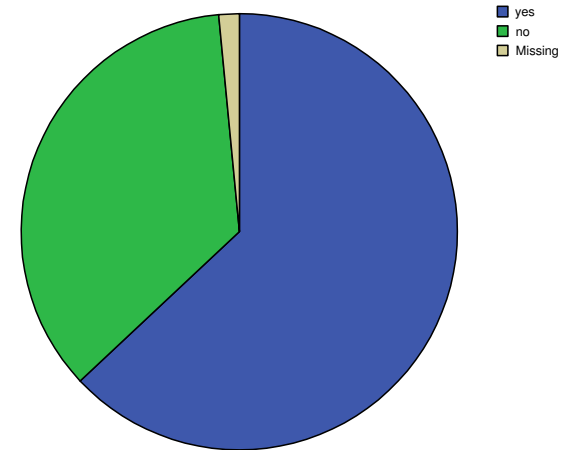
6. Do you expect to be in paid employment:

**employment  
employment**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	126	63.0	64.0	64.0
	no	71	35.5	36.0	100.0
	Total	197	98.5	100.0	
Missing	NR	3	1.5		
Total		200	100.0		

		Institution								Total	
		AUT		CPIT		UOW		Wintec			
		Count	Col %	Count	Col %	Count	Col %	Count	Col %	Count	Col %
employment	yes	64	71.9%	5	38.5%	36	58.1%	21	63.6%	126	64.0%
	no	25	28.1%	8	61.5%	26	41.9%	12	36.4%	71	36.0%
Total		89	100.0%	13	100.0%	62	100.0%	33	100.0%	197	100.0%

**employment**



7. What are the reasons you chose to do this programme of study? (tick all that apply)

**Table: Total**

	Q7_Opt 1		Q7_Opt 2		Q7_Opt 3		Q7_Opt 4		Q7_Opt 5		Q7_Opt 6		Q7_Opt 7		Q7_Other	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
no tick	54	27.0%	119	59.5%	178	89.0%	167	83.5%	86	43.0%	189	94.5%	185	92.5%	186	93.0%
1 tick	146	73.0%	81	40.5%	22	11.0%	33	16.5%	114	57.0%	11	5.5%	15	7.5%	14	7.0%
Total	200	100.0%	200	100.0%	200	100.0%	200	100.0%	200	100.0%	200	100.0%	200	100.0%	200	100.0%

**Table: AUT**

	Q7_Opt 1		Q7_Opt 2		Q7_Opt 3		Q7_Opt 4		Q7_Opt 5		Q7_Opt 6		Q7_Opt 7		Q7_Other	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
no tick	28	14.0%	62	31.0%	83	41.5%	75	37.5%	41	20.5%	83	41.5%	83	41.5%	83	41.5%
1 tick	63	31.5%	29	14.5%	8	4.0%	16	8.0%	50	25.0%	8	4.0%	8	4.0%	8	4.0%
Total	91	45.5%	91	45.5%	91	45.5%	91	45.5%	91	45.5%	91	45.5%	91	45.5%	91	45.5%

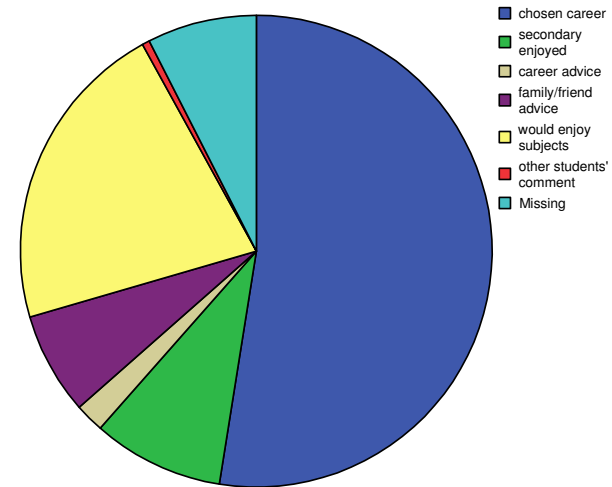
Option 1	I think I need it for my chosen career.
Option 2	I enjoyed the subject at secondary school.
Option 3	Careers advice at secondary school.
Option 4	Family and friends advised me to do it.
Option 5	I felt I would enjoy this subject.
Option 6	Other students have told me that it is an interesting and enjoyable subject.
Option 7	I like the lecturer(s)/tutor(s) teaching in this programme
Option 8	Other

8. What was the most influential reason for choosing this programme of study?

most influential reason

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	chosen career	105	52.5	56.8	56.8
	secondary enjoyed	18	9.0	9.7	66.5
	career advice	4	2.0	2.2	68.6
	family/friend advice	14	7.0	7.6	76.2
	would enjoy subjects	43	21.5	23.2	99.5
	other students' comment	1	.5	.5	100.0
	Total	185	92.5	100.0	
Missing	>1 choice	14	7.0		
	NR	1	.5		
	Total	15	7.5		
Total		200	100.0		

most influential reason



		Institution								Total	
		AUT		CPIT		UOW		Wintec		Count	Col %
most influential reason		Count	Col %	Count	Col %	Count	Col %	Count	Col %	Count	Col %
chosen career		49	58.3%	6	46.2%	31	55.4%	19	59.4%	105	56.8%
secondary enjoyed		5	6.0%	1	7.7%	8	14.3%	4	12.5%	18	9.7%
career advice		1	1.2%	0	.0%	2	3.6%	1	3.1%	4	2.2%
family/friend advice		9	10.7%	0	.0%	2	3.6%	3	9.4%	14	7.6%
would enjoy subjects		19	22.6%	6	46.2%	13	23.2%	5	15.6%	43	23.2%
other students' comment		1	1.2%	0	.0%	0	.0%	0	.0%	1	.5%
Total		84	100.0%	13	100.0%	56	100.0%	32	100.0%	185	100.0%

9. Have you used the following sources of help more, less or the same as last year?

**Table: Total**

	help - teacher		help - family		help - Internet		help - library		help - tutorial		help - student support		help - classmates	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
more	70	35.7%	19	9.9%	117	60.0%	85	43.4%	44	22.6%	13	6.7%	80	40.8%
same	99	50.5%	110	57.6%	67	34.4%	94	48.0%	100	51.3%	123	63.4%	98	50.0%
less	27	13.8%	62	32.5%	11	5.6%	17	8.7%	51	26.2%	58	29.9%	18	9.2%
Total	196	100.0%	191	100.0%	195	100.0%	196	100.0%	195	100.0%	194	100.0%	196	100.0%

**Table: AUT**

Institution AUT

	help - teacher		help - family		help - Internet		help - library		help - tutorial		help - student support		help - classmates	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
more	33	16.8%	12	6.3%	54	27.7%	39	19.9%	18	9.2%	10	5.2%	34	17.3%
same	42	21.4%	51	26.7%	29	14.9%	45	23.0%	49	25.1%	50	25.8%	47	24.0%
less	15	7.7%	25	13.1%	7	3.6%	6	3.1%	22	11.3%	28	14.4%	9	4.6%
Total	90	45.9%	88	46.1%	90	46.2%	90	45.9%	89	45.6%	88	45.4%	90	45.9%

10. I have less free time than I did last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q10	90	2.17	1.03	13	1.62	0.77	62	2.26	1.04	34	2.26	1.19	199	2.18	1.05	0.07

11. I am less organized in my study habits than I was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q11	90	3.44	0.98	13	3.46	0.88	62	3.13	0.97	32	3.27	0.86	197	3.32	0.96	0.07

12. I am more involved in my tertiary institution's sport clubs and activities than I was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q12	90	3.63	0.92	13	3.62	0.65	62	3.50	0.92	33	3.82	0.88	198	3.62	0.90	0.06

13. I am more involved in my tertiary institution's cultural clubs and activities than I was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q13	90	3.58	0.98	13	3.62	0.65	62	3.60	0.80	33	3.70	0.73	198	3.61	0.86	0.06

14. More course information and resources are available on the Web/Internet this year than were last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q14	90	2.92	0.95	13	2.62	0.77	62	2.92	0.96	33	2.67	0.65	198	2.86	0.90	0.06

15. Feedback on my progress from my lecturers/tutors has been less helpful this year than it was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q15	90	3.09	0.89	13	2.77	0.83	62	3.10	0.78	32	3.05	0.83	197	3.06	0.84	0.06

16. The amount of factual information that I have to remember to pass tests/assessments/exams is less this year compared to last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q16	90	3.59	1.06	13	4.15	0.80	62	3.94	0.99	32	3.59	1.04	197	3.74	1.03	0.07

17. I am learning more practical problem-solving skills this year compared to last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q17	90	2.32	0.75	13	2.46	0.88	62	2.42	0.67	32	2.50	1.02	197	2.39	0.78	0.06

18. I was involved in online learning activities last year. If **YES** → I am less involved in online learning activities this year than I was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
No-online	55			13			50			30			148			
Q18	32	2.66	1.07				10	3.10	1.20				42	2.76	1.10	0.17

19. Lecturers/tutors have been less readily available to answer my questions this year compared to last year.

	AUT			CPIT			UOW			WINTERC			Total			
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	St. Error
Q19	89	3.25	0.84	13	3.46	0.88	61	3.24	0.82	31	3.08	0.84	194	3.23	0.84	0.06

20. I have got to know my lecturers/tutors on a personal level more this year than last year.

	AUT			CPIT			UOW			WINTERC			Total			
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	St. Error
Q20	90	2.70	0.84	13	2.31	0.63	61	2.66	0.68	31	2.94	1.06	195	2.70	0.83	0.06

21. The theoretical parts of my studies are harder to understand this year compared to last year.

	AUT			CPIT			UOW			WINTERC			Total			
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	St. Error
Q21	90	2.47	0.86	13	2.38	1.12	61	2.06	0.87	31	2.55	0.93	195	2.35	0.91	0.06

22. My study workload is lighter this year compared to last year.

	AUT			CPIT			UOW			WINTERC			Total			
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	St. Error
Q22	90	3.78	0.88	13	4.62	0.65	61	4.03	0.82	31	4.00	0.93	195	3.95	0.88	0.06

23. I am less clear about what was expected of me in my programme of study this year than I was last year.

	AUT			CPIT			UOW			WINTERC			Total			
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	St. Error
Q23	90	3.22	0.85	13	3.69	0.63	61	2.75	0.96	30	3.03	0.61	194	3.08	0.88	0.06

24. I am finding this year more enjoyable than last year.

Q24	AUT			CPIT			UOW			WINTEC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
	90	2.69	0.83	13	2.85	0.55	61	2.70	0.95	30	2.73	1.05	194	2.71	0.88	0.06

25. I feel my lecturers/tutors expect me to produce work of a higher standard this year than they did last year.

Q25	AUT			CPIT			UOW			WINTEC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
	90	2.31	0.70	13	2.08	0.49	61	2.25	0.70	31	2.52	0.89	195	2.31	0.72	0.05

26. I feel I am more part of the learning community of this institution this year than I was last year.

Q26	AUT			CPIT			UOW			WINTEC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
	90	2.62	0.70	13	2.23	0.60	61	2.57	0.63	31	2.85	0.67	195	2.62	0.68	0.05

27. Practical teaching sessions, e.g. laboratory or workshop sessions, are harder to understand this year compared to last year.

Q27	AUT			CPIT			UOW			WINTEC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
	89	2.96	0.91	13	2.46	1.13	62	2.48	0.82	32	3.16	0.85	196	2.81	0.92	0.07

28. Lectures are less interesting and enjoyable this year than they were last year.

Q28	AUT			CPIT			UOW			WINTEC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
	90	3.19	0.87	13	3.92	0.64	62	3.11	0.89	31	3.10	0.94	196	3.20	0.89	0.06

29. Practical teaching sessions, e.g. laboratory or workshop sessions, are more interesting and enjoyable than they were last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q29	90	2.68	0.82	13	2.46	0.78	62	2.56	0.72	32	2.66	0.97	197	2.62	0.81	0.06

30. My participation, e.g. asking questions, answering questions, in lectures/tutorials is greater this year than it was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q30	90	2.68	0.86	13	2.46	0.52	62	2.65	0.77	32	2.63	0.66	197	2.65	0.78	0.06

31. I feel I have been expected to work more independently in practical teaching sessions than I was last year.

	AUT			CPIT			UOW			WINTERC			Total			St. Error
	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	
Q31	90	2.44	0.85	13	2.08	0.49	62	2.39	0.78	32	2.56	0.72	197	2.42	0.79	0.06

TLRI Project  
Understanding and Enhancing Learning Communities in  
Tertiary Education in Science and Engineering

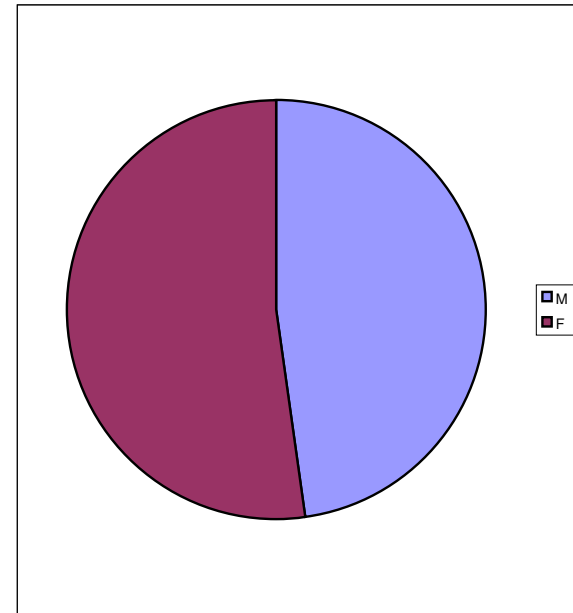
Result for

**Year 3 - AUT**

1. Sex

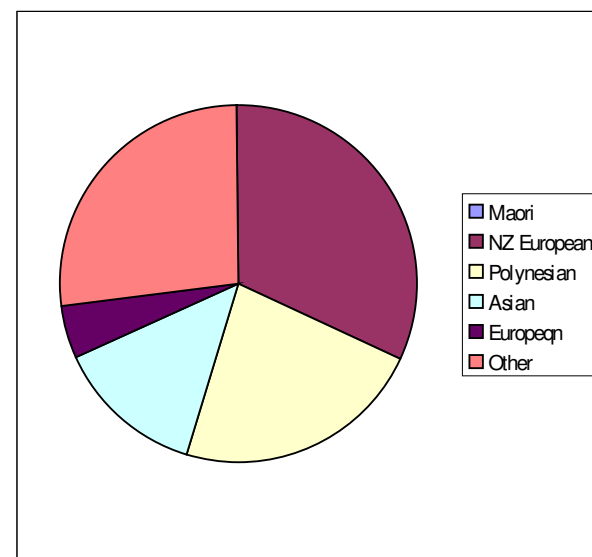
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	M	37	37.4	37.8	37.8
	F	61	61.6	62.2	100.0
	Total	98	99.0	100.0	
Missing	NR	1	1.0		
Total		99	100.0		

	Institution							
	UoW		AUT		Wintec		CPIT	
	sex		sex		sex		sex	
	Count	%	Count	%	Count	%	Count	%
M	14	27.5%	11	47.8%	5	35.7%	7	70.0%
F	37	72.5%	12	52.2%	9	64.3%	3	30.0%
Total	51	100.0%	23	100.0%	14	100.0%	10	100.0%



## 2. Ethic

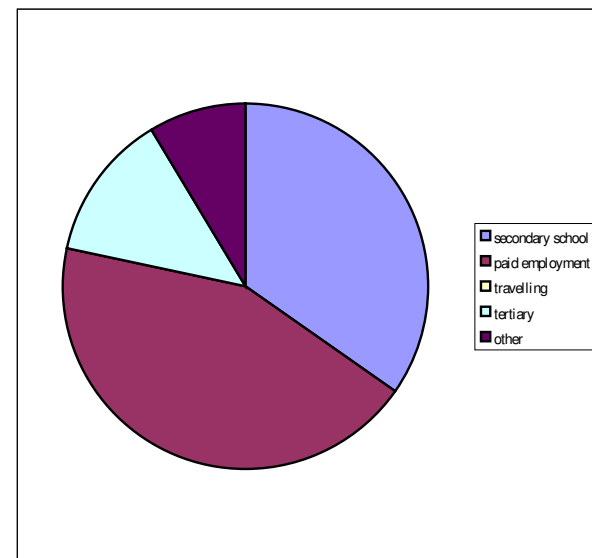
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Maori	4	4.0	4.2	4.2
	NZ European	54	54.5	56.8	61.1
	Polynesian	6	6.1	6.3	67.4
	Asian	14	14.1	14.7	82.1
	Europeqn	6	6.1	6.3	88.4
	Other	11	11.1	11.6	100.0
	Total	95	96.0	100.0	
Missing	>1 choice	2	2.0		
	NR	2	2.0		
	Total	4	4.0		
Total		99	100.0		



	Institution							
	UoW ethnic		AUT ethnic		Wintec ethnic		CPIT ethnic	
	Count	%	Count	%	Count	%	Count	%
Maori	2	4.1%	0	.0%	2	14.3%	0	.0%
NZ European	35	71.4%	7	31.8%	5	35.7%	7	70.0%
Polynesian	1	2.0%	5	22.7%	0	.0%	0	.0%
Asian	5	10.2%	3	13.6%	3	21.4%	3	30.0%
Europeqn	3	6.1%	1	4.5%	2	14.3%	0	.0%
Other	3	6.1%	6	27.3%	2	14.3%	0	.0%
Total	49	100.0%	22	100.0%	14	100.0%	10	100.0%

3. Before starting my tertiary studies this year, I was:

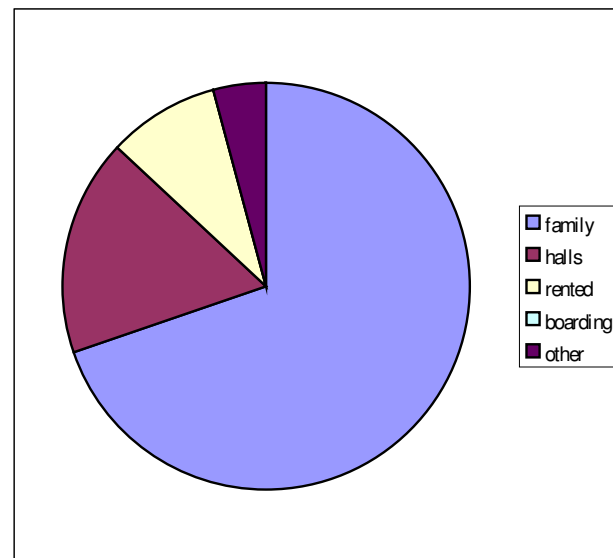
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	secondary school	43	43.4	43.9	43.9
	paid employment	27	27.3	27.6	71.4
	travelling	2	2.0	2.0	73.5
	tertiary	20	20.2	20.4	93.9
	other	6	6.1	6.1	100.0
	Total	98	99.0	100.0	
Missing	>1 choice	1	1.0		
Total		99	100.0		



	Institution							
	UoW		AUT		Wintec		CPIT	
	before		before		before		before	
	Count	%	Count	%	Count	%	Count	%
secondary school	32	61.5%	8	34.8%	1	7.7%	2	20.0%
paid employment	10	19.2%	10	43.5%	5	38.5%	2	20.0%
travelling	1	1.9%	0	.0%	0	.0%	1	10.0%
tertiary	7	13.5%	3	13.0%	6	46.2%	4	40.0%
other	2	3.8%	2	8.7%	1	7.7%	1	10.0%
Total	52	100.0%	23	100.0%	13	100.0%	10	100.0%

4. While doing my current tertiary studies, I am:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	family	37	37.4	38.1	38.1
	halls	6	6.1	6.2	44.3
	rented	43	43.4	44.3	88.7
	boarding	5	5.1	5.2	93.8
	other	6	6.1	6.2	100.0
	Total	97	98.0	100.0	
Missing	>1 choice	1	1.0		
	NR	1	1.0		
	Total	2	2.0		
Total		99	100.0		

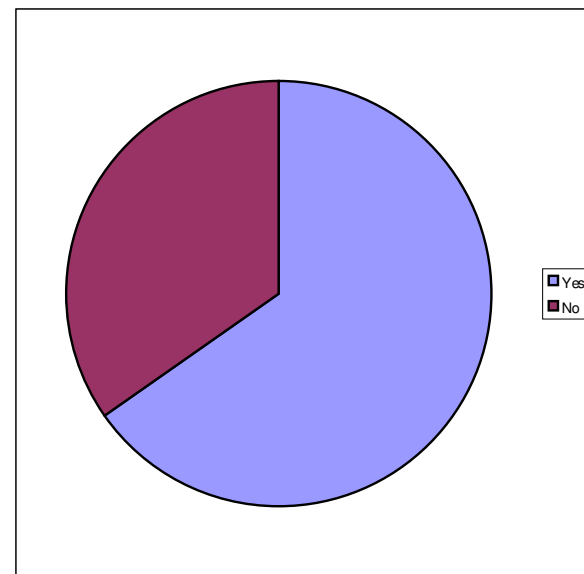


	Institution							
	UoW living		AUT living		Wintec living		CPIT living	
	Count	%	Count	%	Count	%	Count	%
family	14	27.5%	16	69.6%	4	30.8%	3	30.0%
halls	2	3.9%	4	17.4%	0	.0%	0	.0%
rented	29	56.9%	2	8.7%	7	53.8%	5	50.0%
boarding	2	3.9%	0	.0%	2	15.4%	1	10.0%
other	4	7.8%	1	4.3%	0	.0%	1	10.0%
Total	51	100.0%	23	100.0%	13	100.0%	10	100.0%

5. I am studying in my home city.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	yes	58	58.6	58.6	58.6
	no	41	41.4	41.4	100.0
Total		99	100.0	100.0	

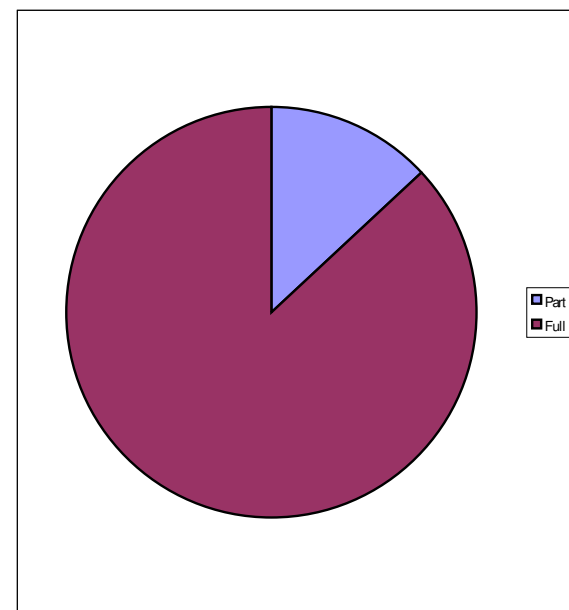
	Institution							
	UoW		AUT		Wintec		CPIT	
	home city		home city		home city		home city	
	Count	%	Count	%	Count	%	Count	%
yes	25	48.1%	15	65.2%	11	78.6%	7	70.0%
no	27	51.9%	8	34.8%	3	21.4%	3	30.0%
Total	52	100.0%	23	100.0%	14	100.0%	10	100.0%



6. I am studying

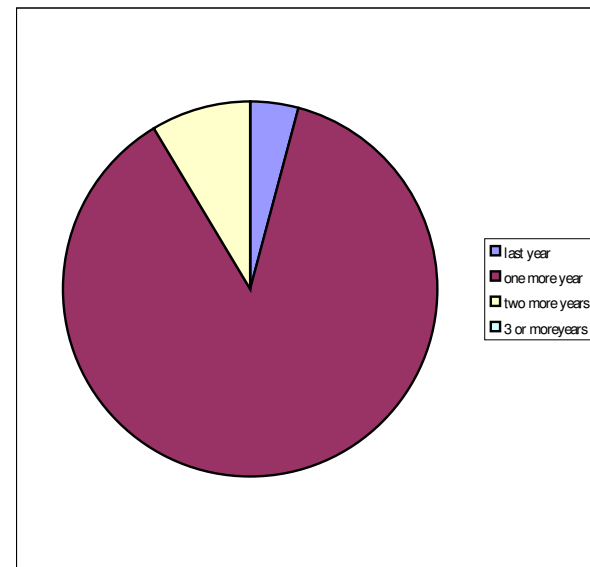
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
part-time	12	12.1	12.1	12.1
full-time	87	87.9	87.9	100.0
Total	99	100.0	100.0	

	Institution							
	UoW		AUT		Wintec		CPIT	
	Count	%	Count	%	Count	%	Count	%
part-time	2	3.8%	3	13.0%	5	35.7%	2	20.0%
full-time	50	96.2%	20	87.0%	9	64.3%	8	80.0%
Total	52	100.0%	23	100.0%	14	100.0%	10	100.0%



7. How long do you expect to be studying at this institution?

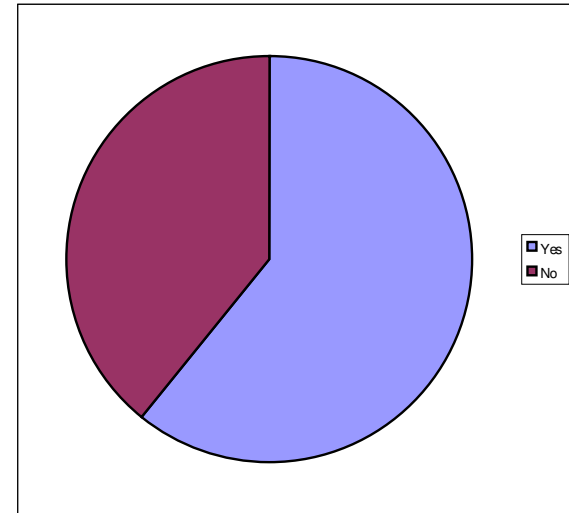
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	last year	41	41.4	41.4	41.4
	one more year	47	47.5	47.5	88.9
	two more years	8	8.1	8.1	97.0
	3 or moreyears	3	3.0	3.0	100.0
	Total	99	100.0	100.0	



	Institution							
	UoW		AUT		Wintec		CPIT	
	study duration		study duration		study duration		study duration	
	Count	%	Count	%	Count	%	Count	%
last year	23	44.2%	1	4.3%	10	71.4%	7	70.0%
one more year	20	38.5%	20	87.0%	4	28.6%	3	30.0%
two more years	6	11.5%	2	8.7%	0	.0%	0	.0%
3 or moreyears	3	5.8%	0	.0%	0	.0%	0	.0%
Total	52	100.0%	23	100.0%	14	100.0%	10	100.0%

8. Apart from holiday periods, have you been in paid employment while you are studying?

	Institution			
	AUT			
	employment	Count	%	
yes		14	60.9%	
no		9	39.1%	
Total		23	100.0%	



9. What are the reasons you chose to do this programme of study?

**Table (Overall)**

	Q9_Opt 1		Q9_Opt 2		Q9_Opt 3		Q9_Opt 4		Q9_Opt 5		Q9_Opt 6		Q9_Opt 7		Q9_Opt8	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	28	28.3%	53	53.5%	90	90.9%	86	86.9%	68	68.7%	32	32.3%	91	91.9%	89	89.9%
1 tick	44	44.4%	28	28.3%	6	6.1%	9	9.1%	25	25.3%	49	49.5%	8	8.1%	10	10.1%
2 ticks	23	23.2%	13	13.1%	2	2.0%	3	3.0%	4	4.0%	15	15.2%	0	.0%	0	.0%
>1 double	4	4.0%	5	5.1%	1	1.0%	1	1.0%	2	2.0%	3	3.0%	0	.0%	0	.0%
Total	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%

**Table**

Institution AUT

	Q9_Opt 1		Q9_Opt 2		Q9_Opt 3		Q9_Opt 4		Q9_Opt 5		Q9_Opt 6		Q9_Opt 7		Q9_Opt8	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	4	4.0%	17	17.2%	22	22.2%	20	20.2%	18	18.2%	9	9.1%	20	20.2%	20	20.2%
1 tick	9	9.1%	3	3.0%	1	1.0%	2	2.0%	5	5.1%	10	10.1%	3	3.0%	3	3.0%
2 ticks	9	9.1%	2	2.0%	0	.0%	0	.0%	0	.0%	3	3.0%	0	.0%	0	.0%
>1 double	1	1.0%	1	1.0%	0	.0%	1	1.0%	0	.0%	1	1.0%	0	.0%	0	.0%
Total	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%

Option 1	I need it for my chosen career.
Option 2	I enjoyed the subject at secondary school.
Option 3	Careers advice at secondary school.
Option 4	Family and friends advised me to do it.
Option 5	I enjoyed the subject in an earlier year of my tertiary study.
Option 6	I felt I would enjoy this subject.
Option 7	Other students have told me that it is an interesting and enjoyable subject.
Option 8	Other

10. Which of these have you experienced in your current programme of study?

**Table (Overall)**

	Q10_Opt 1		Q10_Opt 2		Q10_Opt 3		Q10_Opt 4		Q10_Opt 5		Q10_Opt 6		Q10_Opt 7		Q10_Opt 8		Q10_Opt9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	17	17.2%	3	3.0%	22	22.2%	17	17.2%	18	18.2%	0	.0%	22	22.2%	4	4.0%	16	16.2%
1 tick	82	82.8%	96	97.0%	77	77.8%	82	82.8%	81	81.8%	99	100.0%	77	77.8%	95	96.0%	83	83.8%
Total	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%

**Table**

Institution AUT

	Q10_Opt 1		Q10_Opt 2		Q10_Opt 3		Q10_Opt 4		Q10_Opt 5		Q10_Opt 6		Q10_Opt 7		Q10_Opt 8		Q10_Opt9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	7	7.1%	3	3.0%	5	5.1%	10	10.1%	4	4.0%	0	.0%	4	4.0%	2	2.0%	10	10.1%
1 tick	16	16.2%	20	20.2%	18	18.2%	13	13.1%	19	19.2%	23	23.2%	19	19.2%	21	21.2%	13	13.1%
Total	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%

Option 1	Completing book or worksheet based exercises and problems
Option 2	Lecture or presentation from lecturer/tutor
Option 3	In-class discussion or debate with lecturer/tutor and students
Option 4	Tutorials
Option 5	Group or team based activities
Option 6	Practical activities, e.g. laboratory, workshop, or project work
Option 7	Preparing and making a presentation to the class
Option 8	Personal reading and research
Option 9	Field trips and activities outside the classroom or workshop

11. Which of these did you find enjoyable?

**Table (Overall)**

	Q11_Opt 1		Q11_Opt 2		Q11_Opt 3		Q11_Opt 4		Q11_Opt 5		Q11_Opt 6		Q11_Opt 7		Q11_Opt 8		Q11_Opt 9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	68	68.7%	34	34.3%	55	55.6%	66	66.7%	53	53.5%	17	17.2%	79	79.8%	42	42.4%	35	35.4%
1 tick	26	26.3%	49	49.5%	35	35.4%	28	28.3%	38	38.4%	51	51.5%	19	19.2%	46	46.5%	37	37.4%
2 ticks	1	1.0%	8	8.1%	4	4.0%	2	2.0%	4	4.0%	15	15.2%	0	.0%	3	3.0%	12	12.1%
>1 double	4	4.0%	8	8.1%	5	5.1%	3	3.0%	4	4.0%	16	16.2%	1	1.0%	8	8.1%	15	15.2%
Total	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%

**Table**

Institution AUT

	Q11_Opt 1		Q11_Opt 2		Q11_Opt 3		Q11_Opt 4		Q11_Opt 5		Q11_Opt 6		Q11_Opt 7		Q11_Opt 8		Q11_Opt 9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	17	17.2%	9	9.1%	11	11.1%	14	14.1%	12	12.1%	3	3.0%	17	17.2%	11	11.1%	13	13.1%
1 tick	6	6.1%	12	12.1%	9	9.1%	6	6.1%	10	10.1%	12	12.1%	6	6.1%	9	9.1%	6	6.1%
2 ticks	0	.0%	1	1.0%	2	2.0%	2	2.0%	0	.0%	3	3.0%	0	.0%	2	2.0%	1	1.0%
>1 double	0	.0%	1	1.0%	1	1.0%	1	1.0%	1	1.0%	5	5.1%	0	.0%	1	1.0%	3	3.0%
Total	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%

Option 1	Completing book or worksheet based exercises and problems
Option 2	Lecture or presentation from lecturer/tutor
Option 3	In-class discussion or debate with lecturer/tutor and students
Option 4	Tutorials
Option 5	Group or team based activities
Option 6	Practical activities, e.g. laboratory, workshop, or project work
Option 7	Preparing and making a presentation to the class
Option 8	Personal reading and research
Option 9	Field trips and activities outside the classroom or workshop

12. Which of these helped you to understand what you were studying?

**Table (Overall)**

	Q12_Opt 1		Q12_Opt 2		Q12_Opt 3		Q12_Opt 4		Q12_Opt 5		Q12_Opt 6		Q12_Opt 7		Q12_Opt 8		Q12_Opt 9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	45	45.5%	17	17.2%	51	51.5%	33	33.3%	67	67.7%	16	16.2%	72	72.7%	21	21.2%	49	49.5%
1 tick	45	45.5%	50	50.5%	40	40.4%	42	42.4%	26	26.3%	47	47.5%	26	26.3%	52	52.5%	38	38.4%
2 ticks	1	1.0%	15	15.2%	1	1.0%	8	8.1%	0	.0%	12	12.1%	0	.0%	6	6.1%	1	1.0%
>1 double	8	8.1%	17	17.2%	7	7.1%	16	16.2%	6	6.1%	24	24.2%	1	1.0%	20	20.2%	11	11.1%
Total	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%

**Table**

Institution AUT

	Q12_Opt 1		Q12_Opt 2		Q12_Opt 3		Q12_Opt 4		Q12_Opt 5		Q12_Opt 6		Q12_Opt 7		Q12_Opt 8		Q12_Opt 9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	12	12.1%	3	3.0%	12	12.1%	11	11.1%	14	14.1%	5	5.1%	15	15.2%	4	4.0%	16	16.2%
1 tick	9	9.1%	11	11.1%	10	10.1%	8	8.1%	8	8.1%	10	10.1%	8	8.1%	14	14.1%	4	4.0%
2 ticks	0	.0%	4	4.0%	0	.0%	2	2.0%	0	.0%	2	2.0%	0	.0%	1	1.0%	1	1.0%
>1 double	2	2.0%	5	5.1%	1	1.0%	2	2.0%	1	1.0%	6	6.1%	0	.0%	4	4.0%	2	2.0%
Total	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%

Option 1	Completing book or worksheet based exercises and problems
Option 2	Lecture or presentation from lecturer/tutor
Option 3	In-class discussion or debate with lecturer/tutor and students
Option 4	Tutorials
Option 5	Group or team based activities
Option 6	Practical activities, e.g. laboratory, workshop, or project work
Option 7	Preparing and making a presentation to the class
Option 8	Personal reading and research
Option 9	Field trips and activities outside the classroom or workshop

13. Where do you go for help with your studies?

**Table (Overall)**

	Q13_Opt 1		Q13_Opt 2		Q13_Opt 3		Q13_Opt 4		Q13_Opt 5		Q13_Opt 6		Q13_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	10	10.1%	80	80.8%	39	39.4%	18	18.2%	50	50.5%	92	92.9%	33	33.3%
1 tick	60	60.6%	17	17.2%	41	41.4%	51	51.5%	43	43.4%	5	5.1%	42	42.4%
2 ticks	13	13.1%	0	.0%	9	9.1%	13	13.1%	0	.0%	1	1.0%	11	11.1%
>1 double	16	16.2%	2	2.0%	10	10.1%	17	17.2%	6	6.1%	1	1.0%	13	13.1%
Total	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%	99	100.0%

**Table**

Institution AUT

	Q13_Opt 1		Q13_Opt 2		Q13_Opt 3		Q13_Opt 4		Q13_Opt 5		Q13_Opt 6		Q13_Opt 7	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
no tick	1	1.0%	18	18.2%	8	8.1%	6	6.1%	13	13.1%	19	19.2%	8	8.1%
1 tick	14	14.1%	4	4.0%	7	7.1%	9	9.1%	9	9.1%	2	2.0%	10	10.1%
2 ticks	4	4.0%	0	.0%	2	2.0%	0	.0%	0	.0%	1	1.0%	1	1.0%
>1 double	4	4.0%	1	1.0%	6	6.1%	8	8.1%	1	1.0%	1	1.0%	4	4.0%
Total	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%	23	23.2%

Option 1	Lecturer/tutor of the course
Option 2	Family/whanau and friends
Option 3	The Internet
Option 4	Library or other books
Option 5	Tutorials
Option 6	Your institution's student support services
Option 7	Classmates doing the same course/paper

Question	AUT			Total		
	N	Mean	SD	N	Mean	SD
Q14 I have found subject content at tertiary level more difficult to understand than the subject content I studied at secondary school (high school).	23	2.39	0.84	99	2.41	0.95
Q15 I have had a lot of free time during my programme of study.	23	3.74	1.01	99	3.66	0.99
Q16 When preparing for tests or exams I prefer to study on my own rather than with a friend or group.	23	2.13	1.06	99	2.13	1.00
Q17 I have been involved in my tertiary Inst.'s sport clubs and activities while studying here.	22	3.64	1.09	98	3.88	1.14
Q18 I have been involved in my tertiary Inst.'s cultural clubs and activities while studying here.	22	3.64	1.18	98	4.15	0.97
Q19 I have socialized most with new friends I have made while studying here.	22	2.32	0.95	98	2.56	1.13
Q20 I have found the subject content of my studies to be progressively more difficult in each year of my studies.	23	2.13	0.76	99	2.09	0.78
Q21 I feel I have benefited from being in contact with active researchers/professionals in my field of study.	23	2.00	0.67	99	2.09	0.82
Q22 During my programme of study, course information and resources have been available on the Web/Internet.	23	2.26	0.62	99	2.31	0.76
Q23 I have received helpful and timely feedback on my progress from my lecturers/tutors.	23	2.17	0.58	99	2.42	0.80
Q24 I have had to learn lots of facts in order to pass tests/assessments/exams.	23	2.20	0.99	99	1.84	0.71
Q25 I have learned practical problem-solving skills.	23	2.26	0.62	99	2.26	0.69
Q26 I have been involved in online learning activities as part of my programme of study.	23	2.87	0.97	98	3.05	1.05
Q27 I expect the qualification I will get to help me get a job.	23	1.52	0.59	99	1.82	0.75
Q28 Lecturers/tutors have been readily available to answer my questions.	23	1.91	0.67	98	1.97	0.77

Q29 I have got to know my lecturers/tutors on a personal level.	22	2.55	0.80	98	2.81	0.87
Q30 In my opinion, students with well developed computer-based skills do better in my programme of study.	22	2.36	1.14	98	2.52	1.04
Q31 I have found the theoretical parts of my studies hard to understand.	23	3.13	0.92	98	3.11	0.85
Q32 During my programme of study, I have had a heavy academic workload.	23	2.22	0.80	99	2.24	0.81
Q33 I have always been clear about what was expected of me in my programme of study.	23	2.13	0.81	99	2.30	0.85
Q34 So far, I have enjoyed my time as a tertiary student.	23	2.04	0.64	99	1.94	0.67
Q35 My lecturers/tutors expect me to produce work of a high standard.	23	1.96	0.47	99	1.96	0.57
Q36 I feel I am more part of the learning community of this Inst. than when I first started here.	23	1.91	0.51	99	2.21	0.70
Q37 I have found the practical parts of my studies hard to understand.	23	3.43	0.84	99	3.35	0.90
Q38 I have been tested on my ability to solve practical problems.	22	2.00	0.62	98	2.31	0.79
Q39 I expect to go on to further study after I complete this qualification.	22	2.59	0.80	98	2.57	1.06
Q40 I have been tested on my ability to solve theoretical problems.	22	1.95	0.58	98	2.16	0.74
Q41 I feel that what I have learned will be directly relevant to my later intended employment.	23	1.96	0.77	99	2.04	0.77
Q42 I have found lectures to be interesting and enjoyable.	23	2.30	0.70	99	2.18	0.63
Q43 I have found practical teaching sessions, e.g. laboratory or workshop sessions, to be interesting and enjoyable.	23	1.80	0.65	99	2.02	0.72

**Key for mean (Q14-43):**

1: Strongly agree      2: Agree      3: Neutral  
4: Disagree            5: Strongly disagree