THOMPSON RIVERS UNIVERSITY

Integrated Planning & Effectiveness

Fall 2021 Course Evaluation

Administration and Results

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Summary

Thompson Rivers University (TRU) administered 'every course, every time' on campus course evaluations in fall 2021. This was the thirteenth full implementation, with 1,527 courses included to be evaluated.[1] Evaluations were administered online for all courses during the last three weeks of classes (or equivalent).

The majority of Kamloops and Williams Lake evaluations took place between November 15th and December 3rd, and School of Trades and Technology (Trades) evaluations took place during the months of September, October, November, and December (Figure 1). Course evaluations continued to be administered as per the regular process as the majority of on-campus courses returned to being taught in-person.

Figure 1. Course evaluation summary

Total		Kamloops	Williams Lake	Trades
2	Campuses			
9	Faculties and Schools	8	4	1
582[2]	Faculty Members	528	22	36
1,527	Courses	1,408	55	64
35,242	Student Course Enrolment	33,743	654	845
1,497[3]	Surveys	1,385	57	55
8,716	Student Headcount	7,999	154	563
91%	Survey Participation Rate	92%	79%	84%
16,356	Total Responses	15,523	338	495
50%[4]	Response Rate	49%	63%	68%

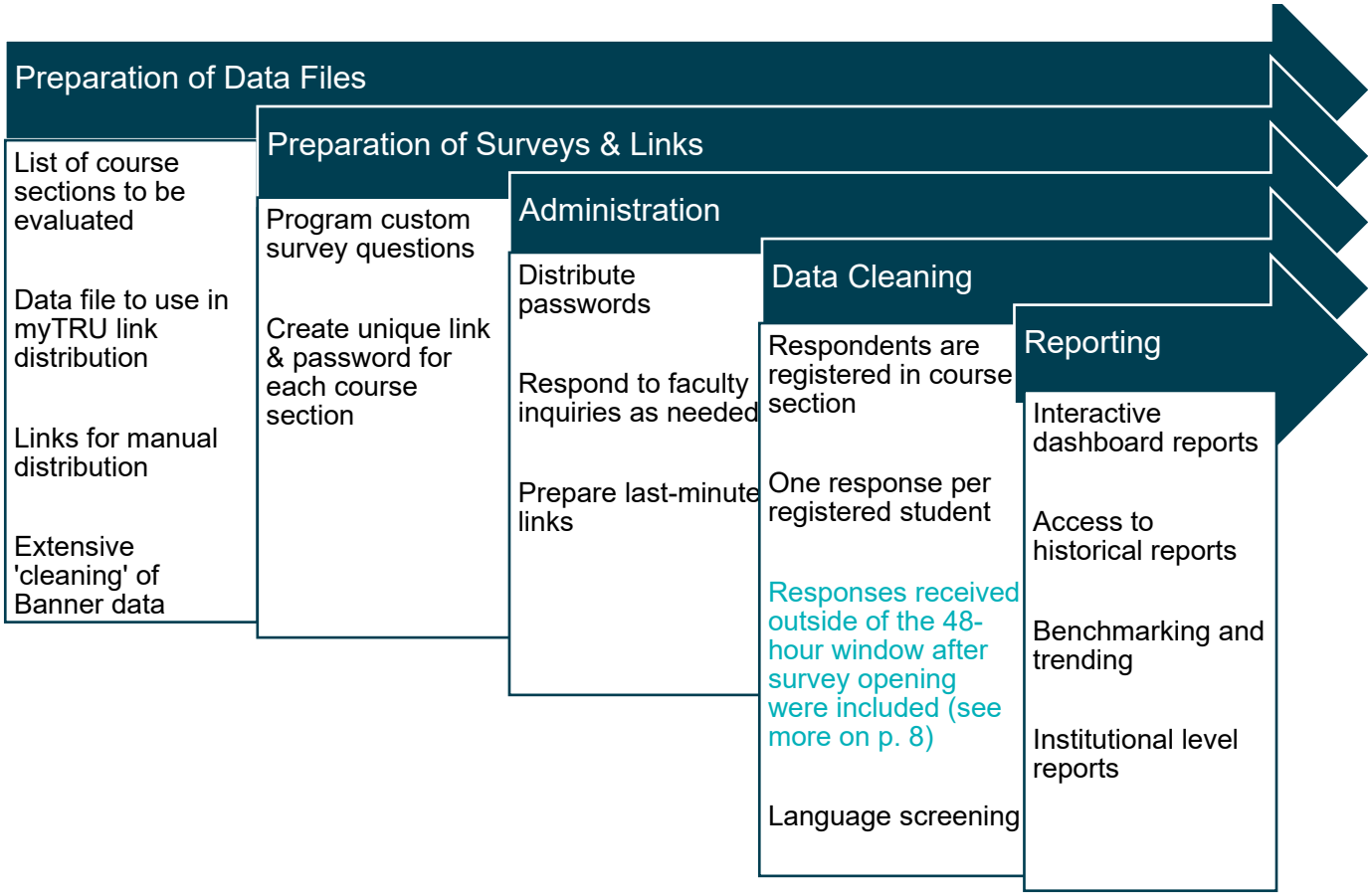
Participation Rate: The percentage of surveys administered out of all prepared surveys. The reasons for not participating may be or may not be known.

Response Rate: The number of valid* responses received for each participating survey as a percentage of the total course enrolments (not the attendance in class that day). *one response per enrolled student received. See Response Validation

[1] Summer semester courses are evaluated using the same course evaluation administration process as both winter and fall courses. Due to a smaller number of courses a report on the administration and results is not produced.
[2] Some instructors had course evaluations on more than one campus.
[3] Some courses were set up as a combined evaluation, therefore the total number of surveys is less than the total number of included courses.
[4] Includes only surveys that were opened.

Technical administration of the evaluations was carried out by Integrated Planning and Effectiveness (IPE). The technical administration included: preparation of data files, surveys, and links; technical administration of the survey; data cleaning; reporting; and providing technical assistance on an ad hoc basis (Figure 2).

Figure 2. Technical administration process



Preparation

Inclusion

There were 1,527 courses identified for inclusion in course evaluations, and 1,497 surveys were prepared (Figure 3). This involved 582 individual faculty members from each of the 9 faculties and schools (including Williams Lake campus). Along with classroom-based, primary sections, this administration also included all Nursing practice and laboratory practice sections, as well as all Faculty of Science laboratories (Figure 4).

Figure 3. Faculty, Courses, Surveys, and Student Course Enrolments by Division - Institutional, Fall 2021

		Faculty of Adventure, Culinary Arts and Tourism	Faculty of Arts	Faculty of Education and Social Work	Faculty of Law	Faculty of Science	Faculty of Student Development	School of Business and Economics	School of Nursing	School of Trades and Technology	Total
Faculty Members	#	27	110	82	28	147	5	89	67	36	582
	%	5%	19%	14%	5%	25%	1%	15%	12%	6%	100%
Courses	#	57	290	196	38	448	6	281	147	64	1,527
	%	4%	19%	13%	2%	29%	0%	18%	10%	4%	100%
Surveys	#	57	286	188	38	448	6	272	147	55	1,497
	%	4%	19%	13%	3%	30%	0%	18%	10%	4%	100%
Enrolment	#	1,079	8,033	3,246	1,340	10,294	71	7,368	2,966	845	35,242
	%	3%	23%	9%	4%	29%	0%	21%	8%	2%	100%

Considerations for Administration

Several considerations guided the inclusion and administration process. In addition to following guiding documents, centralizing course evaluations included incorporating existing processes of some academic areas while introducing a completely new process in other areas. Specifically:

- Student Course Evaluations - Principles and Procedures approved by the Teaching and Learning Committee (formerly The Instructional Development and Support Committee (IDSC)) and presented to Senate (January 23rd, 2019)
- Memorandum of Settlement between TRU and TRUFA (July 21st, 2015)
- Custom surveys: Law, Science, English as a Second Language, Education and Skills Training Program, Nursing practice and lab practice section types, Biological Sciences labs, Animal Health Technology Distance courses

- Student confidentiality – course evaluations with less than 5 responses cannot be viewed, as is consistent with the practice of BCStats and current interpretation of the BC Statistics Act (BC Ministry of Technology, Innovation and Citizens' Services)

Figure 4. Criteria for Inclusion or Exclusion

Criteria for Inclusion
-Lecture or combined section type -Primary section -Nursing practice or lab practice section type -Science lab section type -Course ending within, or attached to, fall 2021 -Campus Kamloops and Williams Lake -Trades and Technology courses
Criteria for Exclusion
-Seminar, lab (excluding Science labs), field, practicum, thesis, directed studies, exchange, co-op work or PLAR section types -Non-graded support sections -Courses not ending in, or attached to, fall 2021 -Open Learning courses -Course section numbers designating BC Campus -Continuing education courses

After proposed course inclusion lists were prepared based on the standard criteria for evaluation (see Figure 4 for criteria for inclusion or exclusion), IPE sent a list of courses to each dean's office in Kamloops (and the Williams Lake campus coordinator) on October 4th, with a request for response by October 15th.

After the list of courses was finalized, a notification email was sent from IPE on October 25th to each faculty member included in the administration. The email detailed which of the individual's courses were included, and briefly explained the evaluation process (including contact information for IPE and the Centre for Excellence in Learning and Teaching (CELT) and a link to the FAQ web page). Given that Williams Lake campus has moved away from the block course delivery in fall 2020, course evaluation administration, data validation, and reporting were aligned with the Kamloops campus course evaluation timeline.

To accommodate continuous-entry Trades courses, course lists and surveys were prepared each month in anticipation of the following month. The lists were sent directly to the Trades chairs. Data validation and reporting was completed in November 2021 for evaluations that took place in September and October, and in January 2022 for evaluations that took place in November and December.

Administration

Distribution of Survey Links

As detailed under the box to the right, Survey Response Data Integrity: Implementation, most course survey links were made available to students through their myTRU portals. This protocol was chosen in response to a specific request from the TRU Students' Union (TRUSU). IPE prepared a data file containing the survey link and course detail (faculty name, CRN, etc.), which was then posted to the Student Course Evaluation myTRU channel by an IPE software analyst. The channel was populated with data from the survey link file according to each students' current course registrations.

IPE provided the main Kamloops file of survey links and course detail to the IPE software analyst for posting to student myTRU portals on November 12th; after this deadline, changes to the course lists were accommodated manually and links were provided directly to faculty members.

IPE supported the manual distribution of several course evaluations due to any of the following reasons:

- requests for changes submitted after the deadline,
- course sections running outside of the regular schedule,
- course sections where there was a mismatch between the section students were registered in and were taught in,
- students not registered in the course section,
- continuous entry course sections, or
- faculty requesting the survey link.

In total, 91% of all survey links were distributed via myTRU:

- 1,355 links distributed via myTRU (95% Kamloops, 74% Williams Lake),
- 141 links distributed by email directly to faculty members (5% Kamloops, 26% Williams Lake, 100% Trades).

Distribution of Passwords

As detailed under Survey Response Data Integrity: Implementation, each course survey link was assigned a unique password. The passwords were randomly generated using Norton IdentitySafe and were programmed into each survey. The passwords were individually distributed to faculty members using their official TRU email addresses.

Survey Response Data Integrity: Implementation

Ensuring the highest possible survey participation rates was balanced with the need to ensure the highest possible integrity of survey data. To this end, the following protocols were followed for all surveys (see exclusions below):

Students were required to sign in to their secure myTRU accounts in order to access the survey links.

Survey links were made available to students with a current registration in the course section.

Each survey was protected with a unique password.

The password was provided to the faculty member just prior to the survey administration period; in most cases (91%), faculty members were not provided with the link to the actual survey.

Faculty members were provided with a direct phone number to contact IPE for technical questions during the evaluation period.

Exceptions to the above protocols were rare and included course sections that required evaluation before the myTRU implementation, course sections that were included after the IPE deadlines, or a few rare instances of technical difficulty.

Each faculty member received one email with password per course section. Most passwords were emailed to faculty members on November 10th.

Kamloops Timeline

Faculty members chose the date that they opened their course evaluation survey during the last three weeks (or equivalent) of their classes. Surveys were opened when the faculty member chose to provide the unique password to students. In Kamloops, most surveys were opened toward the end of the three-week period, with 79% opened in the two last weeks (Figure 5). Nineteen percent of the surveys were opened during the first week. Figure 6 shows that 11% of surveys were opened on a Friday, with the majority of the responses received between Monday and Thursday.

Figure 5. Kamloops surveys opened by week - Fall 2021

	# of Surveys Opened	% of Surveys Opened	# of Responses Received	% of Responses Received
Early (before November 15th)	30	2%	347	2%
Week 1 (November 15th - November 21st)	243	19%	3,238	21%
Week 2 (November 22nd - November 28th)	427	34%	5,587	36%
Week 3 (November 29th onwards)	568	45%	6,351	41%
Total	1,268	100%	15,523	100%

Figure 6. Kamloops surveys opened by weekday - Fall 2021

	# of Surveys Opened	% of Surveys Opened	# of Responses Received	% of Responses Received
Sunday	34	3%	270	2%
Monday	256	20%	3,239	21%
Tuesday	326	26%	4,074	26%
Wednesday	265	21%	3,285	21%
Thursday	232	18%	2,777	18%
Friday	145	11%	1,829	12%
Saturday	10	1%	49	0%
Total	1,268	100%	15,523	100%

Data Cleaning

Survey Response Data Validation

To ensure the highest possible quality of response data and to encourage buy-in from all stakeholders, each individual survey response underwent several validity checks. Primarily:

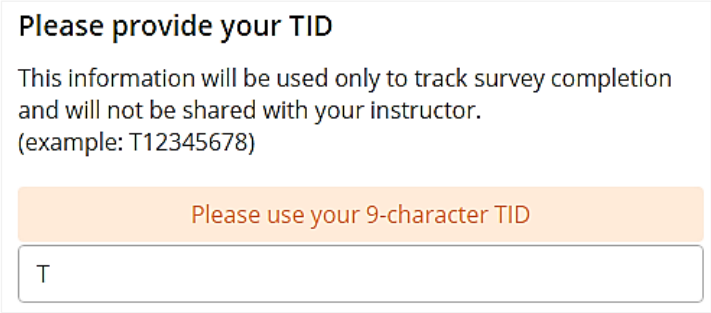
1. The student was registered in the course.
2. The student submitted a single response.
3. The response was received within 48 hours of the survey opening.

Course evaluations continued to be administered as per the regular process with the majority of on-campus courses being taught in-person for the first semester since the beginning of the COVID-19 pandemic in winter 2020. Once all responses were collected, IPE analysed the responses to determine the percent of responses submitted outside of the 48-hour window (late responses), how many course evaluations were affected by late responses, and how excluding the late responses would affect the response rate. Similarly, to the winter course evaluation administration, these numbers were provided to TRU to consult with TRUFA on whether to include the late responses as an exception for this administration due to the pandemic. Due to the significant impact that the late responses had on the response rate, TRUFA made the decision to include late responses for this fall administration.

For a more detailed process see the Reponses Validation Process chart in Appendix B.

Student TID

After students gain entry to the survey with the unique course password, the survey instrument requires them to provide their TID. IPE programmed a validation mask that required the student to enter a 9-character ID (starting with “T”) before they could proceed with the survey.



TID error message

The student TID is used to check that the respondent is enrolled in the course section for which they have completed a survey. This check is redundant to the requirement that most students access the survey through myTRU. It is also used to check for duplicate responses.

Survey Response Data Integrity: Validation

Ensuring that only registered students in each course completed the survey is a top priority. To guarantee the reliability of response data:

Students were required to provide their TID before completing the survey.

Each individual response TID was compared with the registrations for that course; only responses from registered students were validated.

In the case of mismatches between respondent TID and course registration, the records were checked manually prior to deletion.

Only the first completed response for each student in each course was retained; duplicate responses were manually examined and deleted.

As an exception, responses submitted outside of the 48-hour window period were included for the fall 2021 administration.

Where possible, invalid student TIDs were automatically repaired by changing the letter ‘o’ to ‘0’ and by adding ‘T’ and preceding ‘0’.*

Where specifically advised, obsolete ‘9-IDs’ were manually corrected.

** Due to the large volume of responses, these corrections were accomplished with an automatic script.*

Duplicate Responses

Responses were determined to be duplicates if they had the same student TID in a course section. The first completed response was retained.

48 Hour Response Window

The exact time stamp (hours, minutes) of the first valid response to a given course section survey determined the opening of the 48-hour response window. The time stamp on each subsequent submission for that course section was compared to the first-time stamp; responses that were received more than 48 hours (2,880 minutes) after the first time stamp were considered invalid. However, an exception was made for the fall 2021 course evaluation administration due to a significant number of responses still being submitted more than 48 hours after the first submitted response and the impact this had on the response rates. As a result, responses received outside of the 48-hour window were included in the reporting.

All School of Nursing practice courses and Animal Health Technology distance courses were excluded from this validity check and will continue to be moving forward.

It should be noted that the planned service outage of Banner and myTRU from 5 p.m. on December 2nd until the afternoon of December 5th directly affected students' ability to access their course evaluation survey links through myTRU.ca. This meant that students were not able to access their course evaluation links through myTRU during this time, which was during the end of the main course evaluation period. To accommodate faculty who still needed to administer their evaluations, IPE reached out by email and provided them directly with their survey link and password.

Time to Complete Survey

The majority of the surveys were completed within an hour, with 89% of surveys completed within 10 minutes or less. Compared to fall 2020, there was a slight increase in percentage of surveys completed within 10 minutes or less. The completion time was calculated in minutes, from the time each respondent opened their survey to when they submitted it (Figure 7).

Figure 7. Survey completion time - Institutional

	Fall 2019	Fall 2020	Fall 2021
10 minutes or less	93%	81%	89%
11 to 20 minutes	5%	12%	8%
21 to 30 minutes	1%	2%	1%
1 hour +	1%	5%	3%

Law, Science, English as a Second Language, Education and Skills Training Program, Nursing theory, practice and lab practice section types, Biological Sciences labs, Animal Health Technology Distance courses were evaluated using custom survey instruments. The completion times for each questionnaire are available in Appendix C.

Time to Submit after Survey Open

Overall, 36% of surveys had responses submitted after the 48-hour window (late responses), which is a decrease of 21% from fall 2020 (57%) and an increase of 20% when compared to fall 2019 (16%). Of the 488 surveys that had responses submitted after 48 hours, 58% had one late response, 25% had two or three late responses, and 17% of surveys had four or more late responses (Figure 9).

Figure 8. Surveys with responses submitted after the 48-hour window

	Fall 2019			Fall 2020			Fall 2021		
	Kamloops	Trades & Technology	Williams Lake	Kamloops	Trades & Technology	Williams Lake	Kamloops	Trades & Technology	Williams Lake
# of surveys that received responses outside of the 48-hour window	202	5	9	673	6	7	471	7	10
% of surveys that received responses outside of the 48-hour window	16%	17%	16%	59%	23%	19%	37%	15%	22%
# of responses over 48-hour window	319	8	21	1,940	14	24	1,060	14	22
% of responses over 48-hour window	1%	3%	4%	17%	6%	8%	7%	3%	6%

Figure 9. Surveys with late responses - Institutional, Fall 2021

	1 late response	2 or 3 late responses	4 or more late responses	Total
# of surveys that received responses outside of the 48-hour window	282	121	85	488
% of surveys that received responses outside of the 48-hour window	58%	25%	17%	100%
# of responses over 48-hour window	282	273	541	1,096
% of responses over 48-hour window	26%	25%	49%	100%

In light of the significant increase in number of responses received outside of the 48-hour window, TRUFA decided to make an exception for fall 2021 course evaluation administration and include these responses in faculty reports.

Language Screening

Starting in fall 2018, open ended responses were screened electronically for the presence of harassing or defamatory language. Student comments that were identified to contain any of the 467 predetermined harassing or defamatory words were flagged and provided to CELT for review to determine if the

comment should be removed. Comments that were considered defamatory based on protected characteristics contained within the BC Human Rights Code were removed from the final reports. There were no harassing or defamatory student comments identified to be removed from fall 2021 responses.

Data Cleaning Summary

A total of 16,893 responses were received during fall 2021 course evaluations which is an increase of 39% from fall 2020 (12,137 responses). Of those responses, 370 (2%) were from students who were not enrolled in the course that they evaluated, 166 (1%) were duplicate student responses, and 1,096 (6%) were received after 48 hours of the survey opening. The remaining total number of valid student responses was 16,356 which includes responses received over the 48-hour window.

Figure 10. Response validation summary by campus - Fall 2021

	Total Responses (not cleaned)	# of Not Registered	Not Registered Percent	# of Duplicate TID	Duplicate TID Percent	# of Over 48-hour Window Responses	% of Over 48-hour Window Responses	Total Valid Responses (cleaned)
Kamloops	16,017	332	2.1%	162	1.0%	1,060	7%	15,523
Williams Lake	345	6	1.7%	1	0.3%	22	6%	338
Trades & Technology	531	32	6.0%	3	0.6%	14	3%	495
Total	16,893	370	2.2%	166	1.0%	1,096	6%	16,356

Reporting

Overall, 91% (1,361) of the prepared surveys were administered in fall 2021 (Figure 11). The largest decrease in participation rate was observed in Williams Lake.

Figure 11. Survey participation rates - Fall 2019, Fall 2020, Fall 2021

		Fall 2019	Fall 2020	Fall 2021
Kamloops	Surveys Administered	92%	94%	92%
	Surveys Not Administered	8%	6%	8%
Williams Lake	Surveys Administered	81%	90%	79%
	Surveys Not Administered	19%	10%	21%
Trades & Technology	Surveys Administered	88%	63%	84%
	Surveys Not Administered	12%	37%	16%
Total Surveys Prepared		100%	100%	100%

It is important to note that these participation rates measure participation in the survey administration only (not response rates). Participation rates varied by faculty and school, ranging from 96% participation in the School of Business and Economics, to 83% participation in the Faculty of Student Development (Figure 12). The participation rates for fall 2021 course evaluation administration across most faculties and schools have remained on par with fall 2019 and fall 2020 results.

For participation rates by department, see Appendix A – Participation and Response Rates by Department.

Figure 12. Survey participation rate by division - Institutional

		Surveys Administered	Surveys Not Administered
School of Business and Economics	Fall 2019	97%	3%
	Fall 2020	96%	4%
	Fall 2021	96%	4%
Faculty of Adventure, Culinary Arts and Tourism	Fall 2019	98%	2%
	Fall 2020	95%	5%
	Fall 2021	95%	5%
Faculty of Arts	Fall 2019	95%	5%
	Fall 2020	94%	6%
	Fall 2021	93%	7%
Faculty of Science	Fall 2019	85%	15%
	Fall 2020	94%	6%
	Fall 2021	88%	12%
School of Nursing	Fall 2019	90%	10%
	Fall 2020	91%	9%
	Fall 2021	87%	13%
Faculty of Law	Fall 2019	100%	
	Fall 2020	90%	10%
	Fall 2021	89%	11%
Faculty of Education and Social Work	Fall 2019	91%	9%
	Fall 2020	89%	11%
	Fall 2021	93%	7%
Faculty of Student Development	Fall 2019	100%	
	Fall 2020	88%	13%
	Fall 2021	83%	17%
School of Trades and Technology	Fall 2019	88%	12%
	Fall 2020	63%	37%
	Fall 2021	84%	16%

Response Rates

The average institutional response rate (of participating surveys) was 50%, compared to 36% in fall 2020 and 62% in fall 2019. Aggregate response rates ranged from 69% in School of Nursing (Williams Lake campus) to 41% in the School of Business and Economics (Kamloops campus) (Figure 14).

Figure 13. Historical response rates - Fall 2019, Fall 2020, Fall 2021

	Fall 2019		Fall 2020		Fall 2021	
	Responses Received	Response Rate	Responses Received	Response Rate	Responses Received	Response Rate
Kamloops	21,359	62%	11,212	35%	15,523	49%
Williams Lake	418	63%	275	53%	338	63%
Trades & Technology	260	55%	183	55%	495	68%
Total	22,037	62%	11,670	36%	16,356	50%

Figure 14. Response rates by division – Fall 2021

		Surveys #	Responses Received	Response Rate
Kamloops	Faculty of Adventure, Culinary Arts and Tourism	54	539	52%
	Faculty of Arts	261	3,267	43%
	Faculty of Education and Social Work	167	1,699	57%
	Faculty of Law	34	518	42%
	Faculty of Science	387	5,182	56%
	Faculty of Student Development	5	30	49%
	School of Business and Economics	261	2,953	41%
	School of Nursing	101	1,335	57%
Williams Lake	Faculty of Arts	5	14	54%
	Faculty of Education and Social Work	7	43	50%
	Faculty of Science	6	25	50%
	School of Nursing	27	256	69%
Trades & Technology	School of Trades and Technology	46	495	68%
Total		1,361	16,356	50%

Course Evaluation Reports

As directed by Senate, IPE produced the following aggregated course evaluation reports made available on the CELT Student Course Evaluations website or by request to IPE:

1. Institutional report (all responses, four Senate questions only)
2. Faculty and School reports (all responses, all numeric questions)
3. Department reports (all responses, all numeric questions)

In addition to the above aggregate reports, faculty and chairs were given access to interactive dashboard reports.

Dashboard Reports

The faculty and chair reports offer enhanced reporting capabilities through interactive dashboards, such as secure access through the TRUEmployee portal, access to all historical responses since the start of online course evaluations (winter 2016), ability to aggregate and filter data, view trends over time and set

institutional, divisional, or departmental benchmarks. Starting in May 2019, chairs and faculty were able to download and pdf their own course evaluation reports.

Distribution

IPE published the course evaluation dashboard reports to faculty and chairs on January 7th, 2022. Faculty were required to have submitted final grades before they were able to access their course evaluation results. The deadline for grade submission for regular semester courses was December 24th, 2021. As of January 20th, after the second grades check took place, all but four evaluated courses had 90% or greater of their final grades in Banner.

Appendix A – Participation and Response Rates by Department

Participation Rates by Department

Division	Department	Surveys Administered #	Surveys Administered %	Surveys Not Administered #	Surveys Not Administered %	Total Surveys Prepared #	Total Surveys Prepared %
Faculty of Adventure, Culinary Arts and Tourism	Adventure Studies	14	100%			14	100%
	Tourism Management	30	94%	2	6%	32	100%
	Culinary Arts and Retail Meat	10	91%	1	9%	11	100%
Faculty of Arts	Psychology	33	100%			33	100%
	Sociology and Anthropology	32	86%	5	14%	37	100%
	Visual and Performing Arts	29	85%	5	15%	34	100%
	English and Modern Languages	77	94%	5	6%	82	100%
	Geography and Environmental Studies	16	94%	1	6%	17	100%
	Interdisciplinary Studies			1	100%	1	100%
	Journalism, Comm and New Media	46	96%	2	4%	48	100%
	Philosophy, History and Politics	33	97%	1	3%	34	100%
Faculty of Education and Social Work	Social Work and Human Service	39	98%	1	3%	40	100%
	Education	78	96%	3	4%	81	100%
	English Language Learning and Teaching	22	92%	2	8%	24	100%
	University and Employment Prep	35	81%	8	19%	43	100%
Faculty of Law	Law	34	89%	4	11%	38	100%
Faculty of Science	Computing Science	43	98%	1	2%	44	100%
	Mathematics and Statistics	46	92%	4	8%	50	100%
	Agricultural Related	55	90%	6	10%	61	100%
	Biological Sciences	63	94%	4	6%	67	100%
	Physical Sciences	74	97%	2	3%	76	100%
	Natural Resource Sciences	38	72%	15	28%	53	100%
	Allied Health	28	60%	19	40%	47	100%
	Architectural and Engineering Technology	22	92%	2	8%	24	100%
	Engineering and Applied Science	24	92%	2	8%	26	100%
Faculty of Student Development	Career and Experiential Learning	4	80%	1	20%	5	100%
	Counselling Acad Sup and Assess	1	100%			1	100%
School of Business and Economics	Economics	51	89%	6	11%	57	100%
	Accounting and Finance	64	100%			64	100%
	Human Enterprise and Innovation	54	98%	1	2%	55	100%
	Management, Intl Bus, Info, Supply Chain	52	95%	3	5%	55	100%
	Marketing	40	98%	1	2%	41	100%
School of Nursing	Nursing	100	91%	10	9%	110	100%
	Health Care Assistant	28	76%	9	24%	37	100%
School of Trades and Technology	Construction Trades	30	91%	3	9%	33	100%
	Mechanical and Welding Trades	16	73%	6	27%	22	100%
Total		1,361	91%	136	9%	1,497	100%

Response Rates by Department

Division	Department	Surveys #	Responses Received	Response Rate
Faculty of Adventure, Culinary Arts and Tourism	Adventure Studies	14	180	67%
	Culinary Arts and Retail Meat	10	43	43%
	Tourism Management	30	316	47%
Faculty of Arts	English and Modern Languages	77	862	42%
	Geography and Environmental Studies	16	191	43%
	Journalism, Comm and New Media	46	559	39%
	Philosophy, History and Politics	33	397	40%
	Psychology	33	515	44%
	Sociology and Anthropology	32	500	51%
	Visual and Performing Arts	29	257	48%
Faculty of Education and Social Work	Education	78	977	62%
	English Language Learning and Teaching	22	174	52%
	Social Work and Human Service	39	372	49%
	University and Employment Prep	35	219	57%
Faculty of Law	Law	34	518	42%
Faculty of Science	Agricultural Related	55	679	79%
	Allied Health	28	380	39%
	Architectural and Engineering Technology	22	192	61%
	Biological Sciences	63	986	61%
	Computing Science	43	498	37%
	Engineering and Applied Science	24	205	69%
	Mathematics and Statistics	46	649	55%
	Natural Resource Sciences	38	533	52%
	Physical Sciences	74	1,085	67%
Faculty of Student Development	Career and Experiential Learning	4	21	42%
	Counselling Acad Sup and Assess	1	9	82%
School of Business and Economics	Accounting and Finance	64	645	35%
	Economics	51	646	47%
	Human Enterprise and Innovation	54	674	48%
	Management, Intl Bus, Info, Supply Chain	52	525	35%
	Marketing	40	463	43%
School of Nursing	Health Care Assistant	28	328	51%
	Nursing	100	1,263	61%
School of Trades and Technology	Construction Trades	30	302	59%
	Mechanical and Welding Trades	16	193	90%
Total		1,361	16,356	50%

Appendix B – Response Validation Process

*Please note that responses submitted outside of the 48-hour window period were included for the fall 2021 administration.

Appendix C – Custom Survey Instrument: Completion Time

		Fall 2019	Fall 2020	Fall 2021
Animal Health Technology Distance (ANHD)	10 minutes or less	82%	84%	78%
	11 to 20 minutes	10%	8%	15%
	21 to 30 minutes	4%		2%
	1 hour +	4%	8%	5%
Biology Lab	10 minutes or less	92%	75%	89%
	11 to 20 minutes	5%	16%	7%
	21 to 30 minutes	1%	2%	1%
	1 hour +	2%	7%	3%
Education and Skills Training Program (ESTR)	10 minutes or less	99%	100%	100%
	11 to 20 minutes	1%		
English as a Second/Additional Language (ESAL)	10 minutes or less	86%	69%	82%
	11 to 20 minutes	10%	19%	11%
	21 to 30 minutes	1%	3%	2%
	1 hour +	2%	8%	5%
General	10 minutes or less	95%	87%	92%
	11 to 20 minutes	3%	8%	5%
	21 to 30 minutes	1%	2%	1%
	1 hour +	1%	4%	2%
Law	10 minutes or less	89%	76%	88%
	11 to 20 minutes	8%	16%	9%
	21 to 30 minutes	0%	3%	1%
	1 hour +	2%	5%	2%
Nursing Lab Practice	10 minutes or less	90%	86%	96%
	11 to 20 minutes	6%	9%	2%
	21 to 30 minutes	2%	1%	
	1 hour +	2%	4%	2%
Nursing Practice	10 minutes or less	80%	78%	82%
	11 to 20 minutes	12%	13%	12%
	21 to 30 minutes	3%	4%	3%
	1 hour +	4%	6%	4%
Science	10 minutes or less	91%	71%	83%
	11 to 20 minutes	7%	19%	13%
	21 to 30 minutes	1%	4%	1%
	1 hour +	2%	6%	3%