



**Supplemental Learning (SL)**  
**Annual Report**  
**Fall 2023 & Winter 2024**

***Coordinator***  
***Elizabeth Templeman***  
*Department*  
*Counselling, Academic Support & Assessment (CASA)*

Report prepared by  
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### ***Part I: Summary from the SL Coordinator – Elizabeth Templeman***

This was a record year for SL in two ways: taking on the biggest team of new leaders (12), and piloting the most courses in a single year (6). The new leaders trained well and contributed a great deal, with all but one continuing through the year and into the next. It was also an tough year in terms of financial challenges students face, with most leaders taking on outside jobs, some for as many as 30 hours/week. This was the reason one leader dropped out after her first term—another first for SL.

The uptake was lower than we expected. This may be in part due to students still recovering from the complications of COVID, still adjusting to being on campus, and also dealing with those financial challenges. Another challenge has been scheduling sessions which work for students, with timetables appearing to be less patterned and predictable than they were in the past.

The team persisted, however, with participation gradually increasing in many courses. As always, I observed students in sessions greatly enjoying the collaborative and productive atmosphere, and the opportunity for guided study. Results were positive for all courses, I'm pleased to note, and each pilot proved to be, at some level, a success.

### ***Participation & Outcomes***

Over the two semesters of 2023-24, SL supported twenty-three single semester courses. The following sections provide more details about participation and outcomes.

#### ***Leaders by Faculty and Course***

Faculty of Arts	PHIL 1110	Andrew Faulds, Kiara Lenart
	PSYC 1110 PSYC 2040*	Jadyn Michael, Disha Datta, Liam Moss Tionna Lenart
	PHIL 2220	Michelle Raglin
Faculty of Science	BIOL 1110/1210	Presley Kitamura, Manuel Centeno
	BIOL 1592/ 1690	Chelley Berlinguette, Richard Chan
	BIOL 2280	Maggie Jones
	BIOL 1050*	Disha Datta
	BIOL 2340*	Maggie Jones
	CHEM 1500/1510/1520	Ella Colistro, Erin Plowe
	CHEM 2120/2220	Alivia Mercer
	MATH 1140*	Hasumi Watanabe Goodwin
	PHYS 1100/1200	Paige Hembling
School of Business	ACCT 2210/1000	Niharika Khanna, Aayu Bharre, Anna Vieira
	ACCT 2250*	Esperanza Cantu
	ECON 1900*	Olivia Simms

***\*Pilots***

**A sampling of comments from 23-24 student survey responses to the question:** What was useful? How could we improve?

**Business:**

ACCT 2210

- *I found the group dynamic helpful, sitting together and talking about our solutions and how we got there...*
- *The sessions were fantastic. It helped me practice more and clear my doubts immediately.*

**Sciences:**

BIOL 1110:

- *Great review for relevant vocab, definitions, and info regarding the course concepts.*
- *Super useful. My study methods have significantly improved. It also is an engaging way to see what I know and don't.*
- *SL was very useful to me...I was able to connect with others... and to understand and feel a lot more comfortable about the material I was learning about. I felt less confused and more confident going into my quizzes and exams...*

BIOL 1592:

- *I really enjoy going to SL and I think the sessions are helping me understand the material.*
- *All of the activities both leaders put together are super helpful and allow me to truly understand the material.*
- *I was able to talk with my peers and understand concepts based on the different activities.*
- *a good way to review and emphasize on important parts of the material.*
- *Everything we do at SL is useful to me. Being able to hear others explain a concept helps a lot when you don't understand it...*

CHEM 1500:

- *Very useful. Saves me study time and gives me confidence.*

**Arts**

PSYC 2040

- *SL ...provides many opportunities for students to engage with others while reviewing important course material.*
- *I always walk out knowing more than I initially did....*
- *SL has been very helpful in more deeply understanding the course material. It has also made me more aware of what I do not know... The sessions are always really well-planned out and ...always fun and engaging.*

PSYC 1110:

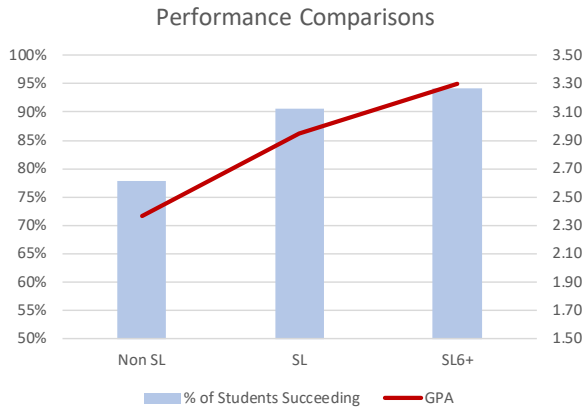
- *I really enjoyed the SL sessions... especially the headbands. I always walk out knowing more than I initially did.*



## SL Annual Report Fall 2023 & Winter 2024 Part II: Participation

All Courses	Total	Percent
Total number of courses	21	
Total graded course enrollment	5643	
SL participants	<b>1035</b>	<b>18%</b>
SL participants (6+ hours/semester)	243	4%
SL session and exam review hours provided	850.5	
SL student contact hours	<b>4554</b>	
Average number of session hours attended per participant by course	4.4	
Average participant satisfaction with SL sessions (max = 5)		

### Part III: Outcomes



Semester Courses									
Group	SL Participants		SL Participants (6+ hrs)		Non SL Participants		All		
# of students	1035		243		4608		5643		
<b>Achievement</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	
Success (A, B, C)	937	91%	229	94%	3589	78%	4526	80%	
Non Success (D, F, DNC)	98	9%	14	6%	1019	22%	1117	20%	
Mean GPA	2.95		3.30		2.37		2.48		

Differences			
All	SL	Non SL	Difference
% of students succeeding	91%	78%	<b>13%</b>
Mean GPA	2.95	2.37	<b>0.58</b>
<i>Students who participated regularly in SL (6+ hours)</i>			
% of students succeeding	94%	78%	<b>16%</b>
Mean GPA	3.30	2.37	<b>0.93</b>

**SL Annual Report**  
**Fall 2023 & Winter 2024**  
**Part IV: Summary by Course for All Participants**

**Comparison of Performance by Course for Students Attending SL**

Faculty	Course	Graded Enrolment	SL Attendance	% SL Attendance	SL Contact Hours	Mean GPA			Success Rate		
						SL	Non SL	Difference	SL	Non SL	Difference
Arts	ECON 1900	696	95	14%	239	2.88	2.26	<b>0.62</b>	92%	76%	<b>16%</b>
	PHIL 1110	473	45	10%	130	2.88	2.34	<b>0.54</b>	91%	77%	<b>14%</b>
	PHIL 2220	25	6	24%	20	2.89	3.75	<b>-0.86</b>	100%	95%	<b>5%</b>
	PSYC 1110	573	33	6%	117	2.97	2.64	<b>0.33</b>	94%	82%	<b>12%</b>
	PSYC 2040	122	34	28%	146	3.39	2.37	<b>1.02</b>	97%	84%	<b>13%</b>
SoBE	ACCT 1000/2210	1085	152	14%	580	2.68	2.32	<b>0.36</b>	89%	78%	<b>11%</b>
	ACCT 2250	361	33	9%	108	2.74	2.46	<b>0.28</b>	88%	83%	<b>5%</b>
Science	BIOL 1050	54	18	33%	112	3.11	2.46	<b>0.65</b>	100%	89%	<b>11%</b>
	BIOL 1110	313	70	22%	284	2.81	1.83	<b>0.98</b>	89%	66%	<b>23%</b>
	BIOL 1210	272	66	24%	268	2.95	2.00	<b>0.95</b>	92%	68%	<b>24%</b>
	BIOL 1592	150	58	39%	381	2.90	2.34	<b>0.56</b>	90%	71%	<b>19%</b>
	BIOL 1692	129	38	29%	208	3.23	2.90	<b>0.33</b>	95%	90%	<b>5%</b>
	BIOL 2280	72	24	33%	68	3.01	2.34	<b>0.67</b>	92%	77%	<b>15%</b>
	BIOL 2340	89	28	31%	134	3.77	2.84	<b>0.93</b>	96%	82%	<b>14%</b>
	CHEM 1500	306	62	20%	178	3.13	2.25	<b>0.88</b>	92%	76%	<b>16%</b>
	CHEM 1510/1520	244	33	14%	118	3.52	2.65	<b>0.87</b>	97%	88%	<b>9%</b>
	CHEM 2120	114	56	49%	352	2.76	2.06	<b>0.70</b>	82%	66%	<b>17%</b>
	CHEM 2220	97	72	74%	629	2.89	1.71	<b>1.18</b>	92%	52%	<b>40%</b>
	MATH 1140	291	60	21%	262	2.74	2.35	<b>0.39</b>	78%	69%	<b>9%</b>
	PHYS 1100	102	33	32%	133	3.24	2.57	<b>0.67</b>	94%	84%	<b>10%</b>
	PHYS 1200	75	19	25%	88	3.26	2.97	<b>0.29</b>	95%	95%	<b>0%</b>
<b>Total</b>		<b>5643</b>	<b>1035</b>	<b>18%</b>	<b>4554.0</b>	<b>2.95</b>	<b>2.37</b>	<b>0.58</b>	<b>91%</b>	<b>78%</b>	<b>13%</b>

**Comparison of Performance by Course for Students Attending 6+ hours/Semester of SL**

Faculty	Course	Graded Enrolment	SL 6+ Attendance	% SL 6+ Attendance	SL 6+ Contact Hours	Mean GPA			Success Rate		
						SL 6+	Non SL	Difference	SL 6+	Non SL	Difference
Arts	ECON 1900	696	6	1%	50.0	3.45	2.26	<b>1.19</b>	83%	76%	<b>7%</b>
	PHIL 1110	473	5	1%	36.0	2.60	2.34	<b>0.26</b>	80%	77%	<b>3%</b>
	PHIL 2220	25	1	4%	6.0	3.67	3.75	<b>-0.08</b>	100%	95%	<b>5%</b>
	PSYC 1110	573	5	1%	49.0	3.80	2.64	<b>1.16</b>	100%	82%	<b>18%</b>
	PSYC 2040	122	10	8%	92.0	4.20	2.37	<b>1.83</b>	100%	84%	<b>16%</b>
SoBE	ACCT 1000/2210	1085	24	2%	298.0	2.78	2.32	<b>0.46</b>	88%	78%	<b>10%</b>
	ACCT 2250	361	4	1%	40.0	3.58	2.46	<b>1.12</b>	100%	83%	<b>17%</b>
Science	BIOL 1050	54	5	9%	70.0	3.27	2.46	<b>0.81</b>	100%	89%	<b>11%</b>
	BIOL 1110	313	20	6%	170.0	3.23	1.83	<b>1.40</b>	95%	66%	<b>29%</b>
	BIOL 1210	272	13	5%	131.0	3.67	2.00	<b>1.67</b>	100%	68%	<b>32%</b>
	BIOL 1592	150	21	14%	278.0	3.32	2.34	<b>0.98</b>	95%	71%	<b>25%</b>
	BIOL 1692	129	15	12%	146.0	3.44	2.90	<b>0.54</b>	100%	90%	<b>10%</b>
	BIOL 2280	72	1	1%	8.0	2.33	2.34	<b>-0.01</b>	100%	77%	<b>23%</b>
	BIOL 2340	89	8	9%	81.0	4.21	2.84	<b>1.37</b>	100%	82%	<b>18%</b>
	CHEM 1500	306	4	1%	50.0	4.17	2.25	<b>1.92</b>	100%	76%	<b>24%</b>
	CHEM 1510/1520	244	4	2%	45.0	3.58	2.65	<b>0.93</b>	100%	88%	<b>12%</b>
	CHEM 2120	114	29	25%	278.0	3.01	2.06	<b>0.95</b>	90%	66%	<b>24%</b>
	CHEM 2220	97	45	46%	527.5	3.07	1.71	<b>1.36</b>	93%	52%	<b>41%</b>
	MATH 1140	291	11	4%	144	3.24	2.35	<b>0.89</b>	91%	69%	<b>22%</b>
	PHYS 1100	102	6	6%	68	4.05	2.57	<b>1.48</b>	100%	84%	<b>16%</b>
	PHYS 1200	75	6	8%	56	3.50	2.97	<b>0.53</b>	100%	95%	<b>5%</b>
<b>Total</b>		<b>5643</b>	<b>243</b>	<b>4%</b>	<b>2623.5</b>	<b>3.30</b>	<b>2.37</b>	<b>0.93</b>	<b>94%</b>	<b>78%</b>	<b>16%</b>

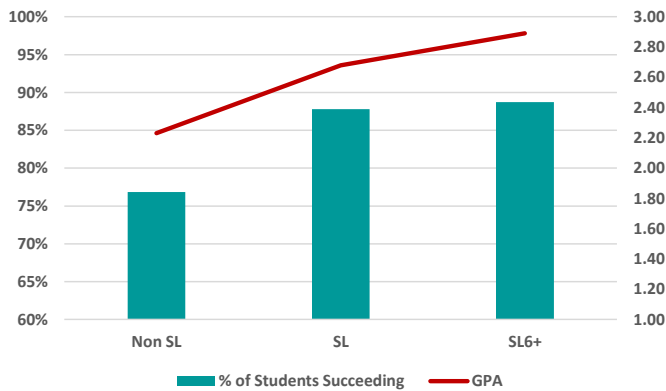


**SL Annual Report**  
 Fall 2023 & Winter 2024  
 Single Semester Courses

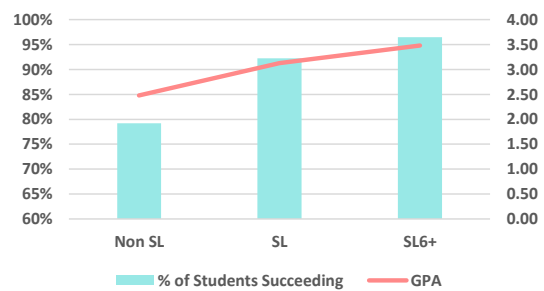
**Part V: Student Subgroups - International**

<b>Participation</b>	<i>Total</i>	<i>Percent</i>
<b>International Students</b>		
Total graded course enrollment	1311	
SL participants	163	<b>12%</b>
SL participants (6+ hours)	71	<b>5%</b>

**Outcomes - International Students**



**Outcomes - Domestic**



<b>Outcomes</b>									
<b>International Students</b>									
<i>Group</i>	<i>SL Participants</i>		<i>SL Participants (6+ hrs)</i>		<i>Non SL Participants</i>		<i>All</i>		
# of students	402		71		2602		3004		
<b>Achievement</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	
Success (A, B,C)	353	88%	63	89%	2000	77%	2353	78%	
Non Success (D, F, DNC)	49	12%	8	11%	602	23%	651	22%	
Mean GPA	2.68		2.89		2.23		2.48		

<b>Differences</b>			
<b>International Students</b>			
<i>All</i>	<i>SL</i>	<i>Non SL</i>	<i>Difference</i>
% of students succeeding	88%	77%	<b>11%</b>
Mean GPA	2.68	2.23	<b>0.45</b>
<i>Students who participated regularly in SL (6+ hours)</i>			
% of students succeeding	89%	77%	<b>12%</b>
Mean GPA	2.89	2.23	<b>0.66</b>

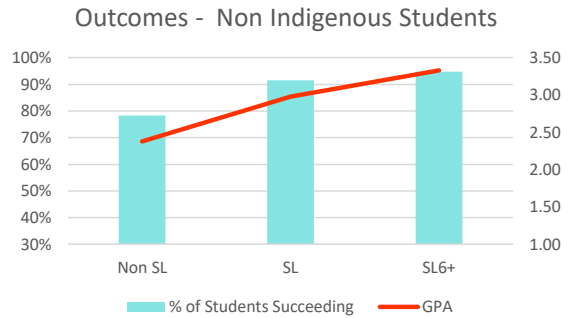
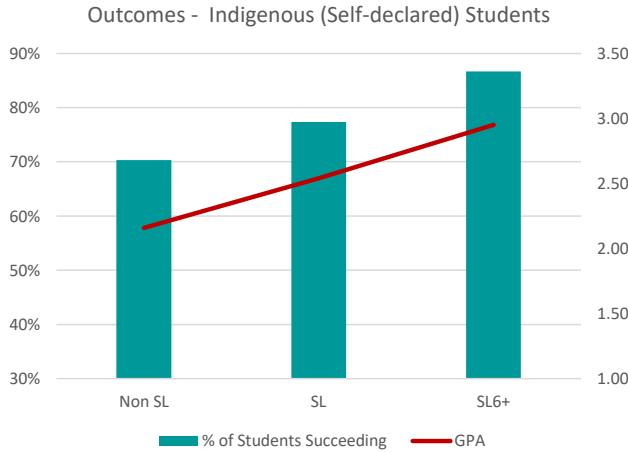
<b>Comparisons</b>	<b>% Succeeding</b>			<b>Mean GPA</b>			<b>SL Participation Rate</b>
	SL	SL+6	Non SL	SL	SL+6	Non SL	
International students	88%	89%	77%	2.68	2.89	2.23	12%
Domestic students	92%	97%	79%	3.13	3.48	2.48	24%



**SL Annual Report**  
Fall 2023 & Winter 2024  
Single Semester Courses

**Part V: Student Subgroups - Indigenous (Self-declared)**

<b>Participation</b>	<i>Total</i>	<i>Percent</i>
<b>Indigenous Students</b>		
Total graded course enrollment	331	
SL participants	<b>75</b>	<b>23%</b>
SL participants (6+ hours)	15	5%



<b>Outcomes</b>									
<b>Indigenous Students</b>									
<i>Group</i>	<i>SL Participants</i>		<i>SL Participants (6+ hrs)</i>		<i>Non SL Participants</i>		<i>All</i>		
# of students	75		15		256		331		
<b>Achievement</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	
Success (A, B,C)	58	77%	13	87%	180	70%	238	72%	
Non Success (D, F, DNC)	17	23%	2	13%	76	30%	93	28%	
Mean GPA	2.54		2.95		2.16		2.25		

<b>Differences</b>			
<b>Indigenous Students</b>			
<i>All students</i>	<i>SL</i>	<i>Non SL</i>	<i>Difference</i>
% of students succeeding	77%	70%	<b>7%</b>
Mean GPA	2.54	2.16	<b>0.38</b>
<i>Students who participated regularly in SL (6+ hours)</i>			
% of students succeeding	87%	70%	<b>16%</b>
Mean GPA	2.95	2.16	<b>0.79</b>

<b>Comparisons</b>	<b>% Succeeding</b>			<b>Mean GPA</b>			<b>SL Participation</b>
	<b>SL</b>	<b>SL+6</b>	<b>Non SL</b>	<b>SL</b>	<b>SL+6</b>	<b>Non SL</b>	
Indigenous (Self-declared) students	77%	87%	70%	2.54	2.95	2.16	23%
Non Indigenous students	92%	95%	78%	2.98	3.33	2.38	18%