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**Incremental Costs of Bilingualism at the
University of Ottawa**

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Incremental Costs of Bilingualism at the University of Ottawa

Executive Summary

Mission Statement of the University of Ottawa

Established in 1848, the University of Ottawa has a unique history and tradition. Located in the heart of the national capital, we have grown with our province and country as a progressive, diverse, research-intensive institution, operating in both of Canada's official languages.

As one of the universities in the province most easily described in terms of special emphasis, we understand the importance of support for our special mandate. We believe strongly in the link between differentiation and quality. Bilingualism at the University of Ottawa, for example, is inseparable from other aspects of our particular mission in research, teaching, and graduate studies. Our mission statement calls on us to play a leadership role in addressing the postsecondary needs of franco-ontarians:

Since 1848, the University of Ottawa has been Canada's university: a reflection, an observatory and a catalyst of the Canadian experience in all its complexity and diversity. Our university is characterized by its unique history, its commitment to bilingualism, its location both in the heart of the national capital and at the juncture of French and English Canada, its special commitment to the promotion of French culture in Ontario and to multiculturalism. As a result and through the groundbreaking work of our community members, we are uniquely positioned among Canada's research-intensive institutions to give students a remarkable education, to enrich the intellectual and cultural life of Canada and to help the country achieve greater international prominence.

(Approved by Senate, January 2005)

Context

The University of Ottawa offers a comprehensive range of programs in both English and French at the undergraduate, graduate and professional levels. Of the more than 33,600 full-time and part-time students, more than 10,500 are francophones. In addition to that, the University of Ottawa is home to close to 2,000 francophile students coming from French immersion high schools. In his report on postsecondary education in Ontario, Mr. Rae recognizes the need to increase base funding to help French-language colleges and bilingual universities play a more effective role in fostering a vibrant francophone, postsecondary education community in Ontario.

Bilingualism Funding

Since 1967, the Government of Ontario has provided some funding to universities offering programs in both English and French.

The bilingualism funding envelope has evolved over the years. The overall bilingualism funding level was set at \$1,235,000 in 1967 with \$1,080,000 allocated to the University of Ottawa and \$155,000 to Laurentian University. The overall bilingualism funding level reached \$25,947,000 in 1992. That amount dropped to \$19,514,000 in 1996-97.

In addition to the bilingualism funding envelope, universities benefited in the past from a start-up/development and maintenance grant in support of francophone programs, known as the CEFFO grant (*Conseil de l'éducation et de la formation franco-ontariennes*). In 1996-97 funding from the CEFFO grant was set at \$8,514,030, a 15% reduction of the previous year grant of more than \$10 million.

Accordingly, support for bilingualism dropped from \$36 million in 1995-96 (bilingualism grant plus CEFFO grant) to a little over \$28 million in 1997-98. Funding for bilingualism and for services in French continues remains at \$28.3 million today. The allocation between universities is as follows: \$18,557,785 to the University of Ottawa (including \$1,478,950 to St-Paul University); \$6,098,135 to Laurentian University (including Sudbury); \$3,007,704 to York University; \$569,686 for Hearst; and \$75,000 to the Dominican College.

The Need

Because of the growth in the number of francophone students, the increasing demand for new programs in French, the need to offer more honours programs in French particularly in the Faculties of Science and Engineering, and the need to improve the breadth and quality of programs and course offerings to francophone students, the time has come for us to review the incremental cost of bilingualism at the University of Ottawa. In fact, we were encouraged by the Rae Report on Postsecondary Education and the subsequent Ontario Provincial Budget.

The costs of operating a bilingual university are many including: a) direct service delivery costs for existing programs; and b) enhancing access and quality, i.e., ensuring equity by offering the breadth and quality of programs necessary to address the needs of the francophone community.

Direct service delivery costs include among others: the incremental cost of teaching; incremental cost related to support staff; second language training; translation costs; library costs; administrative costs; computer and communication services costs; publishing & printing; staffing and recruitment costs; etc.

From an equity and program quality perspective it is also important that francophone students have access to the same breadth and quality of programs and courses. Accordingly, it will be necessary to expand our francophone program offerings to address the needs of the francophone community and to ensure that existing programs in French are of the same quality as those offered in English (e.g., number of elective courses, etc.). This implies offering more advance courses to students in 3rd and 4th year (smaller class size).

Current Level of Service

In Part I of our analysis¹, we essentially followed the methodology originally recommended by the Ontario Council on University Affairs (OCUA) in 1978 and updated in 1983 and in 1989. The 1989 version serves as a basis for the present report (See Appendix A of the report). The current analysis is based on 2003-2004 data and contains seven primary aspects: a) supplementary course offering costs; b) second language training; c) library operations; d)

¹ "Incremental Costs of Bilingualism at the University of Ottawa – 2003-2004", Report prepared by the Office of Institution Research and Planning. August 2005. 47 pages.

translation services; e) publishing, printing, stationery and supplies; f) administrative staff; and g) computer services.

The OCUA methodology assumes that all university teaching relies on regular full-time faculty members. However, universities actually use a mixture of regular full-time faculty members and part-time lecturers. Accordingly, we have estimated the costs of delivery using a 50/50 mix of regular full-time professors and part-time lecturers. As a result, the teaching staff costs reported in the report are estimated at \$13.6 million instead of \$22.7 million as would have been the case with a strict application of the past methodology.

Accordingly, the incremental costs of bilingualism for the current level of service (Part I) are estimated at \$30.1 million. As indicated previously, our current bilingual funding allocation is set at \$17.1 million, a shortfall of approximately \$13 million.

Accessibility and Quality Enhancement

Past applications of the OCUA methodology focused almost exclusively on costs incurred *at the current level of service provided*. However, as was mentioned previously it is important that we also address the breadth and quality of programs that are made available to franco-ontarians. Accessibility (new programs) and quality enhancement costs are addressed in Part II of the report and are estimated at \$13.7 million

Summary of the Needs

Accordingly, the total incremental costs of bilingualism at the University of Ottawa (excluding St-Paul University) are estimated as follows:

a) Current level of service:	\$30.1 million
b) Accessibility and quality enhancement	\$13.7 million
Total:	\$43.8 million ²

Considering that the current level of bilingual funding at the University of Ottawa is set at \$17.1 million (excluding St-Paul University), the current shortfall is in excess of \$25 million per year. While this amount might at first glance appear high, it effectively addresses the needs of the more than 10,500 francophones and close to 2,000 francophiles at the University of Ottawa.

Cost Summary Breakdown

For the University of Ottawa, excluding Saint Paul University, the total cost of operating a comprehensive bilingual university that would offer the same quality of education and service in both English and French is summarized below:

² A complete equivalence in the number of available French and English course topics combined with the standard application of OCUA methodology to the assessment of current level of service would yield a price tag of \$57.5 M.

Table 1. Summary of annual incremental costs of bilingualism
at the University of Ottawa

Description	Annual Amount in 2003-04 Dollars
Incremental costs of teaching staff	\$ 13,556,400
Incremental costs of academic support staff	5,801,772
Second Language Training	226,135
Library	1,266,417
Translation costs	652,936
Publishing, printing, stationary and supplies	517,560
Administrative staff	7,346,750
Computer services	<u>709,833</u>
Sub-total	\$ 30,077,803
Accessibility and quality enhancement	\$ 13,689,256
Grand Total	\$ <u><u>43,767,059</u></u>

This represents a **very efficient** model for the delivery of our francophone programs at the University of Ottawa because many of the costs are shared between our two linguistic communities.

Coût du bilinguisme à l'Université d'Ottawa

Résumé

Énoncé de mandat de l'Université d'Ottawa

Fondée en 1848, l'Université d'Ottawa possède une histoire et une tradition uniques au Canada. Elle s'est développée au cœur de la capitale fédérale, au rythme de la province et du pays. Elle a fait sa marque comme institution progressiste, pluraliste et axée sur la recherche, vouée, de plus, à desservir la population dans les deux langues officielles du Canada.

Par son caractère distinct, notre institution est l'une des universités les plus facilement reconnaissables en Ontario ; aussi sommes-nous pleinement conscients de l'importance de notre mandat particulier. Nous croyons fermement au lien unissant différenciation et qualité. Le bilinguisme à l'Université d'Ottawa est indissociable des autres aspects de notre mission particulière de recherche, d'enseignement et de formation supérieure. Notre énoncé de mandat nous commande de jouer un rôle fondamental dans la formation des Franco-Ontariens :

En tant qu'Université canadienne, l'Université d'Ottawa constitue, depuis 1848, le reflet, l'observatoire et le catalyseur de l'expérience canadienne dans toute sa diversité et sa complexité. Notre situation privilégiée au confluent du Canada anglais et du Canada français, notre bilinguisme, notre emplacement au cœur de la capitale fédérale, notre engagement envers la promotion de la culture française en Ontario et le multiculturalisme constituent notre spécificité. Celle-ci fait en sorte que nous sommes exceptionnellement bien placés, parmi les universités à forte vocation de recherche, pour assurer une formation de qualité à notre population étudiante et, grâce aux réalisations remarquables des membres de notre collectivité, pour contribuer à la vie intellectuelle et culturelle du pays, ainsi qu'à son rayonnement dans le monde.

(Approuvé par le Sénat en janvier 2005)

La francophonie à l'Université d'Ottawa

L'Université d'Ottawa offre aujourd'hui à sa population francophone un large éventail de programmes de premier, de deuxième et de troisième cycles, ainsi que de programmes professionnels. Plus de 10 500 de nos quelque 33 600 étudiantes et étudiants à temps plein et à temps partiel sont francophones. De plus, l'université accueille près de 2 000 étudiantes et étudiants en provenance des écoles secondaires d'immersion en français.

Dans son rapport sur l'enseignement postsecondaire en français, l'honorable Bob Rae a insisté sur la nécessité d'accroître le financement de base, afin d'aider les collèges de langue française et les universités bilingues à rendre plus efficace et plus vigoureux le secteur de l'éducation postsecondaire de langue française en Ontario.

Financement du bilinguisme

Depuis 1967 le gouvernement de l'Ontario finance en partie les universités qui offrent des programmes en français et en anglais.

L'enveloppe du bilinguisme a évolué au cours des années. Elle a été fixée à 1 235 000 \$ en 1967, à savoir 1 080 000 \$ pour l'Université d'Ottawa et 155 000 \$ pour l'Université Laurentienne. L'enveloppe a atteint 25 947 000 \$ en 1992, pour chuter à 19 514 000 \$ en 1996-1997.

Outre l'enveloppe du bilinguisme, le gouvernement accordait, par l'entremise du *Conseil de l'éducation et de la formation franco-ontariennes* (CEFFO), des subventions de démarrage et de développement de programmes en français. Ces subventions étaient de l'ordre de 8 514 030 \$, en 1996-1997, en baisse de 15 % par rapport à l'année précédente (un peu plus de 10 millions).

En conséquence, l'appui à la formation universitaire en français est passé de 36 millions en 1995-1996 (enveloppe du bilinguisme et enveloppe CEFFO) à un peu plus de 28 millions en 1997-1998. Le financement du bilinguisme et des services en français s'élève encore aujourd'hui à 28,3 millions. La répartition entre universités est la suivante: 18 557 785 \$ à l'Université d'Ottawa (dont 1 478 950 \$ à l'Université Saint-Paul); 6 098 135 \$ à l'Université Laurentienne (comprenant aussi Sudbury); 3 007 704 \$ à l'Université York; 569 686 \$ à Hearst; et 75 000 \$ au Collège Dominicain.

Les besoins

En raison de la croissance importante du nombre de francophones à l'Université d'Ottawa et de l'augmentation de la demande pour de nouveaux programmes non encore offerts en français, les besoins d'offrir un plus grand nombre de programmes spécialisés en français particulièrement à la Faculté des sciences et à la Faculté de génie, et compte tenu de la nécessité d'améliorer l'accessibilité et d'assurer le plus haut niveau de qualité de nos programmes offerts en français, le temps est venu, nous semble-t-il, de réexaminer les coûts additionnels associés au bilinguisme. Les conclusions du Rapport Rae nous ont réjouis, de même que l'engagement du Gouvernement de l'Ontario lors du dépôt de son budget en mai 2005.

Les coûts associés à l'opération d'une université qui offre des programmes en français et en anglais sont nombreux, et ils peuvent se répartir ainsi : a) les coûts additionnels associés à la livraison des cours et des programmes existants ; et b) les coûts nécessaires pour assurer un meilleur accès (c'est-à-dire un plus large éventail de programmes) et une meilleure qualité de programmes (équivalente aux programmes offerts en anglais).

Les coûts associés à la livraison des programmes existants comprennent les coûts additionnels associés à l'enseignement et au personnel de soutien, la formation en langue seconde, les coûts de traduction, d'impression et de publication, les coûts de bibliothèque, les coûts administratifs, les coûts associés aux communications et à la technologie, les coûts de recrutement, etc.

Par mesure d'équité, il importe que les étudiantes et les étudiants francophones aient accès au même éventail et à la même qualité de programmes que ceux qui sont offerts en anglais à l'Université d'Ottawa. En conséquence, nous devons améliorer l'offre de programmes offerts en français, de manière à répondre aux besoins de la communauté francophone. Il nous faut donc élargir l'éventail de programmes offerts en français et assurer la qualité des programmes existants.

Niveau de service actuel

Dans la partie I de notre rapport³, nous avons adopté la méthodologie que recommandait le Conseil ontarien des affaires universitaires en 1978, mise à jour en 1983 puis en 1989. C'est cette dernière version qui a servi au calcul des coûts que nous présentons dans le rapport (voir Annexe A). Dans notre analyse nous utilisons les données de 2003-2004 et nous répartissons les coûts comme suit : a) coûts additionnels associés à la livraison des cours; b) formation en langue seconde; c) bibliothèque; d) service de traduction; e) services d'impression et de publication; f) services informatiques; et g) services administratifs.

La méthodologie du Conseil ontarien des affaires universitaires est basée sur l'hypothèse que tous les cours sont enseignés par des professeurs réguliers. En fait, environ 50 % de nos cours sont donnés par des professeurs à la leçon. En conséquence, dans le modèle proposé, 50 % des cours sont assurés par des professeurs réguliers et 50% par des professeurs à la leçon. Les coûts associés à la livraison des cours sont donc de 13,6 millions, alors qu'ils seraient de 22,7 millions si nous avons adopté le modèle original.

Les coûts additionnels associés à la livraison des programmes français existants (niveau de service actuel) s'élèvent à 30,1 millions (Partie I du rapport). Comme nous l'avons déjà rappelé, l'enveloppe actuelle du bilinguisme est de 17,1 millions, ce qui représente un manque à gagner de plus de 13 millions pour l'Université d'Ottawa.

Accessibilité et amélioration de la qualité

La méthodologie du Conseil ontarien des affaires universitaires se limite aux coûts associés au niveau de service actuel. Toutefois, comme nous le soulignons plus haut, il nous faut maintenant assurer l'accessibilité à un plus grand nombre de programmes non encore offerts en français et améliorer la qualité des programmes existants, c'est-à-dire faire en sorte que les programmes soient de qualité équivalente à ceux qui sont offerts en anglais, en élargissant, par exemple, la gamme de cours à option. Les investissements dont nous aurions besoin pour améliorer ainsi l'accessibilité et la qualité des programmes sont présentés en partie II du rapport et sont estimés à 13,7 millions.

Résumé des besoins

Les coûts additionnels associés au bilinguisme à l'Université d'Ottawa (excluant l'Université Saint-Paul) peuvent donc se résumer ainsi :

a) Niveau de service actuel:	30,1 millions
b) Amélioration de l'accessibilité et de la qualité	13,7 millions
Total:	43,8 millions ⁴

³ "Incremental Costs of Bilingualism at the University of Ottawa – 2003-2004", Report prepared by the Office of Institution Research and Planning. August 2005. 47 pages.

⁴ Les coûts du bilinguisme se seraient élevés à plus de 55,7 millions si nous avons adopté la méthodologie originale du Conseil ontarien des affaires universitaires et si nous avons utilisé une équivalence exacte entre l'offre des cours en français et en anglais.

Aujourd'hui, l'Université d'Ottawa (excluant l'Université Saint-Paul) reçoit 17,1 millions pour répondre aux besoins des étudiants francophones. Il existe donc un écart de plus de 25 millions pour nous permettre de répondre pleinement aux besoins des 10 500 étudiantes et étudiants francophones et des quelque 2 000 étudiantes et étudiants en provenance des écoles d'immersion.

Évaluation des coûts détaillés

Les coûts annuels associés au bilinguisme à l'Université d'Ottawa (excluant l'Université Saint-Paul) sont les suivants :

Tableau 1. Résumé des coûts annuels associés au bilinguisme à l'Université d'Ottawa

Description	Coûts annuels en \$ de 2003-2004
Coûts associés à l'enseignement	\$ 13 556 400
Coûts associés au personnel technique et de soutien	5 801 772
Formation en langue seconde	226 135
Bibliothèque	1 266 417
Service de traduction	652 936
Imprimerie, papeterie, etc.	517 560
Services informatiques	709 833
Coûts administratifs et autres	<u>7 346 750</u>
Sous-total	\$ 30 077 803
Amélioration de l'accessibilité et de la qualité	\$ 13,689,256
Grand Total	\$ <u>43 767 059</u>

Il faut noter qu'il s'agit là d'un modèle **très efficace** de livraison de programmes universitaires en français, puisque plusieurs des coûts sont partagés entre nos deux communautés linguistiques.

Part I: Current level of service

1. Supplementary Course Offerings

Supplementary course offerings are those courses, or sections of courses, whose existence is directly traceable to the bilingual nature of the institution. Actual supplementary courses/sections are those, which would not be offered by a unilingual institution of the same size of student body. They occur in parallel or non-parallel forms. In addition, we analyze Senate approved supplementary courses which were not offered due to lack of resources but should be in order to maintain the same richness in both languages.

Parallel supplementary course offerings exist when the same subject material is being taught in both English and French on the same campus in a given academic year. Language courses are excluded and no incremental costs are attributed to normal sectioning practices.

For both parallel and non-parallel supplementary courses, the following types of course sections are excluded from the study: 1- multiple course sections (only one section of a minority language course is considered to have incremental costs associated with it); 2- directed studies and one-student courses that are not required or compulsory courses; and 3- translation courses. For non-parallel supplementary courses, sections that are equal to or greater than the average section size of the institution's non-supplementary courses at the same year level are excluded from the study.

For both types of courses, the incremental faculty cost is derived by dividing the total number of supplementary courses/sections by the estimated average teaching load for full-time faculty and multiplying by the average faculty salary including fringe benefits (excluding medicine).

The incremental academic support staff costs are obtained by applying the ratio of supplementary courses or sections over the total number of courses offered to the total cost of all teaching assistants, technicians and secretarial employees.

Unless indicated otherwise, all data supporting the calculations of supplemental course offerings come from the University's Student Information System (SIS). Technical details are in Appendix B.

1.1 Parallel Supplementary Courses

Calculations were performed according to the following steps:

1. Identify all University of Ottawa courses offered in both English and French for the spring/summer, fall and winter sessions of academic year 2003-2004.
2. Identify course weight as full or half, based on the full course equivalent field in the Student Information System (SIS) to express the results in Full Course Equivalents (FCE).
3. Identify the number of sections (including lectures and labs) in each English and French equivalent parallel course.
4. Identify the number of students registered in each English and French equivalent parallel course.
5. Calculate the total number of sections and total students registered.

6. Establish the normal maximum section size (Normax) for course enrolments using the maximum registration quantity. If this information is unavailable, use the maximum current registration quantity with a minimum of 30.
7. Calculate the number of supplementary sections on account of bilingualism for each course: Normal number of sections (rounded up to next unit) = Total number of registered students / Normax.
8. Supplementary number of sections = Actual number of sections – Normal number of sections (Note: Maximum supplementary number of sections = 1)
9. Supplementary full course equivalents = Sum of (Supplementary number of sections * Weight).

The summary results are presented below. A detailed listing can be found in Appendix C. The total number of parallel supplementary FCE was 329.

Table 1: Parallel supplementary FCE

ADM	26.5	CML	20	GNG	2	PHI	8
ANP	1	CMN	13.5	GRT	0.5	PHS	0
ANT	0.5	CRM	15.5	HIS	11.5	PHY	4
APA	16	CSI	12	HSS	0.5	POL	5.5
ART	4.5	CVG	1.5	LCL	1	PSY	14.5
BAC	0.5	DLS	1.5	LIN	2	SCS	1
BCH	0.5	DRC	4.5	LSR	4	SEG	7
BIO	11	ECO	7.5	MAT	12	SOC	6
BPS	1	EDU	11	MBA	11	SRS	1.5
CDN	0	ELG	15	MCG	1.5	SYS	0.5
CEG	9	ESP	0.5	MED	1.5	THE	6.5
CHG	2.5	EVS	0.5	MUS	5.5		
CHM	7	FEM	2.5	NSG	15.5	Total	329
CLA	1.5	GEG	6.5	PAP	2.5		
CLI	6	GEO	3.5	PHA	0.5		

1.2 Non-parallel Supplementary Courses

Non-parallel supplementary course offerings exist when different subject material is being offered in order to provide an adequate range of courses in either English or French. No incremental costs are attributable to: 1- non-parallel courses, which would be offered by a unilingual institution with the same size student body, or 2- non-parallel course/sections where the students could not have been accommodated in other non-supplementary in the same discipline area at the same level (offered in the same language).

The following steps were carried out:

1. Identify French courses offered in the undergraduate program with no English equivalent.
2. Weight these courses as half or full.
3. Identify the total number of sections, total registrations, and calculate the average registration for each course (total registration / total number of sections).
4. Compute the University average by finding the total number of sections and registrations by level (e.g. 1000, 2000, 3000, etc.) of all courses offered by the University during the relevant sessions.
5. Calculate non-parallel supplemental courses by comparing the average registration for each course with the University average. If the average registration is less than the

University average, the non parallel supplemental is equal to the weight. If the average registration is equal to or greater than the University average, the non-parallel supplemental is equal to zero.

The summary results are presented below. A detailed listing is provided in Appendix D. The total number of non-parallel supplementary sections was 100.

Table 2: Non-parallel supplementary FCE

ERG	9
ORA	9
PDP	43.5
PED	27
PHT	1.5
REA	0
SVS	10
Total	100

The combined cost of parallel and non-parallel supplementary courses is presented in the next table. In order to derive the professors cost, it was necessary to establish the average teaching workload. In the 1983 report, the value 3 FCE was used. This is the base value for all universities, regardless of their research intensity. In 2004, the average teaching load for all professors computed over the entire record set of the course formally evaluated by the students at the University of Ottawa is 2 FCE.

Table 3: Cost of parallel and non-parallel supplementary courses

Teaching staff costs			
A	2004 teaching FCE per full-time professor		2
B	Suppl. parallel FCE		329
C	Suppl. non-parallel FCE		100
D	Total supplementary FCE	B+C	429
E	Full-time professors required	D*.5/A	107.25
F	Part-time professors required	D*.5	214.5
G	Full-time average salary (\$88,000 + 20% benefits)	\$	105,600.00
H	Part-time salary per FCE	\$	10,400.00
I	Professors salary costs	H*F+G*E	\$ 13,556,400.00
Support staff costs			
J	Total FCE		3571.5
K	Ratio	D/J	0.12
L	Total academic support staff costs	\$	48,300,766.00
M	Support staff incremental cost	K*L	\$ 5,801,771.98
N	Teaching + Support costs	I+M	\$ 19,358,171.98

2. Second Language Training

Incremental costs for second language training (May 2003 to April 2004).

Second language student testing	\$	93,698
Second language teaching for administrative and academic staff		124,739
Lab for second language teaching		<u>7,698</u>
Total	\$	<u>226,135</u>

3. Library Operations

Expenditures on monographs

6,389 French titles added to the collection at an average cost of \$66.00 each	\$	431,414
6,389 French monographs were bound at an average cost of \$2.00 each		13,074
6,389 cataloguing documents at an average cost of \$45.00 each		<u>287,505</u>
	\$	731,993

Expenditures on print serials

930 French titles added to the collection at an average cost of \$268.00	\$	254,997
4,067 French print serials were bound at an average cost of \$2.00 each		<u>8,322</u>
		263,319

Expenditures on electronic serials

635 French titles added to the collection at an average cost of \$501.00 each	\$	<u>325,484</u>
		<u>325,484</u>

A Incremental costs in library operations – University of Ottawa	\$	<u>1,320,796</u>
B The total University of Ottawa annual cost of the total collection of monographs, print and electronic serials		<u>8,499,445</u>
C Proportion of costs of French language collection to the total collection	A/B	15.5%
D Corresponding proportion at a comparable unilingual cost		<u>.6%</u>
E Percentage of incremental costs of bilingualism of total cost	C-D	14.9%

Total incremental costs of bilingualism in library services	E*B	\$ <u>1,266,417</u>
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4. Translation Services

Total expenditures of central university translation department	\$ 289,548
Total expenditures of academic and administrative departments or translation of specialized documents	<u>363,388</u>
Total expenditures translation services	<u>\$ 652,936</u>

These expenditures do not include the substantial indirect costs of maintaining an in-house translation service. In addition, the University is currently examining the need to expand our translation services by adding two more translators to the team.

5. Publishing, Printing, Stationery and Supplies

Total cost of paper, printing materials and other expenses	\$ 368,255
Total cost of printing, duplicating and photocopy facilities	2,310,321
Total cost of printing and advertising	<u>1,886,954</u>
Total cost of printing, publishing, stationery and supplies	\$ 4,565,530
Less: labour costs	<u>(2,840,331)</u>
Total net costs	<u>1,725,199</u>
Incremental cost estimated at 30%	30%
Incremental cost estimated	<u>\$ 517,560</u>

6. Administrative Staff

Incremental costs of bilingualism	Clerks & secretaries	Technicians	Management & professionals	Librarians & Counsellors	Other	Total
a) Number of positions at university	458.0	240.0	598.0	35.0	47.0	1,378.0
b) Estimated bilingual position required 85% Percent estimate of extra staff	389.3 7.00%	204.0 1.00%	508.3 3.50%	29.8 20.00%	40.0 1.00%	1,171.3
c) Estimate of extra staff required	32.06	2.40	20.93	7.00	0.47	62.86
d) Average incumbent salary as at Jan. 05	38,612	48,793	60,766	59,788	44,538	50,499
e) Market – AOUHRP survey (Level 3 minimum salary class average for librarians and counsellors)	38,077	46,795	57,678	58,061	40,279	48,178
f) Average cost of Benefits at 23.98%	9,259	11,701	14,572	14,337	10,680	12,110
Incremental cost						
g) Cost of extra staff (c x d)	1,237,901	117,103	1,271,832	418,516	20,933	3,066,285
h) Incremental cost of bilingual positions (d - e) x b	208,276	407,592	1,569,630	51,465	170,147	2,407,110
i) Cost of benefits (g + h) at 23.98%	346,793	125,822	681,383	112,681	45,821	1,312,499
j) Incremental cost (g + h + i)	1,792,969	650,517	3,522,846	582,682	236,901	6,785,915
Cost of additional management resources directly attributable to the bilingual nature of the University of Ottawa						
- Faculty of Law		Common Law Section – Vice Dean (French program)				91,940
- Faculty of Education		Director, Graduate programs, francophone sector				116,583
		Director, Formation à l'enseignement, francophone sector				89,419
- Faculty of Medicine		Director of francophone affairs				77,000
- Office of the Vice-President Academic and Provost		Associate Vice-President, academic (.666 FTE of 116,000)				77,256
Fringe benefits at 23.98%						108,437
k) Total cost of additional management resources including benefits						560,635
Total incremental cost (j + k)						7,346,550

7. Computer Services

A	The incremental cost of additional software required to support courses in the French language		
	Cost of bilingual software \$341,693 * 50%	\$	170,846
B	The incremental cost of bilingual software to provide administrative services in both languages.		
	Cost of administrative systems \$1,796,622 * 30%	\$	<u>538,832</u>
	Incremental cost of software development in the minority language for instructional and administrative usage	\$	<u><u>709,833</u></u>

Summary of Part I: Current Level of Service

Incremental costs of teaching staff	\$	13,556,400	
Incremental costs of academic support staff		5,801,772	
	Sub-total		<u>19,358,172</u>
Second Language Training		226,135	
Library		1,266,417	
Translation costs		652,936	
Publishing, printing, stationary and supplies		517,560	
Administrative staff		7,346,750	
Computer services		709,833	
	Sub-total		<u>10,719,631</u>
Total incremental cost of bilingualism	\$		<u><u>30,077,803</u></u>

Part II: Comprehensive level of service

Quality and equity of course offerings

The previous analyses of the incremental costs of bilingualism have focused heavily on actual expenses incurred. This is certainly justified when the purpose of the assessment is to evaluate how much financial support is warranted by established operations. However, the context for the current analysis is wider. The Rae Review indicates that “the funding formula for both colleges and universities needs to reflect the additional challenges of providing French language higher education in a province that has a substantial English-speaking majority”. One such challenge is precisely that of offering the same diversity of access and choice in course content.

For 2003-4, the University of Ottawa’s database indicates that 2,313 distinct course topics were scheduled in English while only 1,532 were scheduled in French. Thus, 781 topics or 390.5 FCEs would be required to equate the richness of teaching in both languages. However, since the French speaking student body is smaller than its English speaking counterpart, it would not necessarily be possible to populate as many distinct courses. To take this into account, we further prorated by .50 according to the ratio of French (10,000) to English (20,000) speaking students on campus.

Incremental cost for existing 429 FCE	\$	30,077,803
Incremental cost for 390.5 FCEs to equate richness	\$	27,378,513
Proportion of French speaking students		<u>.50</u>
Cost to equate richness	\$	<u>13,689,256</u>

Total cost

The ultimate goal of the University of Ottawa is to be able to offer an education that is equally diverse and comprehensive in both French and English. Adding the costs currently incurred as calculated in Part I to the costs necessary to equate richness (Part II), the total cost is realistically evaluated at \$38.6 million.

Cost for existing 429 FCE	\$	30,077,803
Cost to equate quality and equity		<u>13,689,256</u>
Total cost for the comprehensive bilingual University of Ottawa	\$	<u><u>43,767,059</u></u>

* * *

Appendix A: OCUA Advisory Memorandum 89-III

Methodology for the Calculation of the Incremental Costs of Bilingualism

In its study of the 1987-88 incremental costs of bilingualism, Council identified seven components of the incremental costs of bilingualism. They are as follows:

- a) Supplementary course offerings;
- b) Second language training;
- c) Library operations;
- d) Translation services;
- e) Publishing, printing, stationery and supplies;
- f) Administrative staff; and
- g) Computer services.

A description of the method adopted for calculating the costs included in each of these components is given below. Results of the study for each institution are shown in Table A. The methodology has been revised since the 1981-82 study, to incorporate incremental costs of bilingualism associated with computer services.

a) Supplementary Course Offerings

Supplementary course offerings are those courses, or sections of courses, whose existence is directly traceable to the bilingual nature of the institution. Actual supplementary courses/sections are those which would not be offered by a unilingual institution with the same size of student body. These will occur in one of the following ways:

Parallel Supplementary Course Offerings exist when the same subject material is being taught in both English and French on the same campus in a given academic year. Language courses are excluded from the definition of parallel courses and no incremental costs are attributed to sections of parallel courses that are produced by normal sectioning practices.

Non-Parallel Supplementary Course Offerings exist when different subject material is being offered in order to provide an "adequate" range of courses in either English or French. No incremental costs are attributable to: a) non-parallel courses which would be offered by a unilingual institution with the same size of student body; or b) non-parallel courses/sections where the students could not have been accommodated in other non-supplementary courses in the same discipline area at the same level (offered in the same language).

For both parallel and non-parallel supplementary courses, the following course sections are not included in the study: (i) multiple course sections (only one section of a minority language course is considered to have incremental costs associated with it); (ii) "directed studies" and one-student courses that are not required or compulsory courses; and (iii) translation courses. For non-supplementary courses, course sections that are equal to or greater than the average section size of the institution's non-supplementary courses at the same level are excluded from the study. For both types of courses, the incremental faculty cost is derived by dividing the total number of supplementary courses/sections by 3.0 (the estimated a teaching load of all institutions' full-time faculty) and multiplying by the average faculty salary including fringe benefits (excluding

medicine)⁵. The incremental academic support staff costs are obtained by applying to the total cost: teaching assistants, technicians and clerk-typists the following ratio: supplementary courses or sections over the total number of courses offered.

b) Second-Language Training

The incremental costs of second-language training are limited to the institution's expenditures on second language training for: i) students, where that training provided via non-credit courses; and ii) faculty and staff.

c) Library Operations

The costs of bilingualism relating to library operations have two elements: costs and cataloguing costs. Incremental book costs are derived by comparing the proportion of purchasing and binding costs (including ordering and processing) of books and periodicals in each bilingual institution's minority language with the corresponding proportion at a comparable unilingual institution. When the difference between proportions is applied to the total costs of books and periodicals purchased bound at the bilingual institution, the incremental book costs due to bilingualism are calculated. Incremental cataloguing costs are determined by including the costs of: i) extra catalogue cards purchased because of bilingualism or additional costs directly incurred with computer cataloguing related to the minority language (Note: a detailed explanation and documentation of the incremental computer catalogue costs must accompany this cost item); and ii) expenditures on the translation of library cards or their computer record equivalent.⁶

d) Translation Services

The expenditures of the institution's central translation department, expenditures on external translation services, and expenditures of academic departments on French-English and English-French translations of specified documents are deemed to be incremental costs.

e) Publishing, Printing, Stationery and Supplies

Each institution's estimate of additional expenditures on publishing, printing, stationery and supplies because of bilingualism is deemed a reasonable measure of the incremental cost.

f) Administrative Staff

The total costs deemed to be incremental are as follows: i) the cost of extra staff required to provide bilingual services; and ii) salary differentials for bilingualism paid to staff who must be bilingual to perform their function.

g) Computing Services

The costs deemed to be incremental in the provision of computer usage instruction and administrative supports in the minority language are as follows: i) the incremental cost of additional software required to support courses in the minority language, and ii) the incremental cost of bilingual software to provide administrative services in both languages.

⁵ This differs from the 1981-82 cost study methodology outlined in Advisory Memorandum 83-IX, "average faculty salaries" are exclusive of both fringe benefits and medicine.

⁶ Additional costs associated with computer cataloguing were not included in the previous 1981-82 bilingualism cost study methodology outlined in Advisory Memorandum 83-IX.

Appendix B: Technical details of database queries for supplementary offerings

Parallel Courses

Parallel supplementary course offerings exist when the same material is being taught in both English and French on the same campus in a given academic year. Language courses are excluded from the definition of parallel courses and no incremental costs are attributed to sections of parallel courses that are produced by normal sectioning practices.

Normax

- Use maximum registration quantity (SIS: 4 A H)
 - When registration quantity not available, use maximum current registration quantity
 - Normax \geq 30
 - Note: Some maximum registration quantity entered as 9999
1. [A1_Courses]
Find all courses in the relevant sessions at the University of Ottawa that have an equivalent course (SIS_ACAD_ACT) in the other language. Note: This list will have duplicates, for example, ADM1100/ADM1500 and ADM1500/ADM11 represent the same information.
 2. [A2_EnglishCourses]
From [A1], determine all English courses, count the number of sections, sum of current registration quantity, max of current registration quantity, max of maximum registration quantity, and keep the equivalent academic activity using (SIS_ACT_SEC_SES).
 3. [A3_FrenchCourses]
From [A1], determine all French courses, count the number of sections, sum of current registration quantity, max of current registration quantity, max of maximum registration quantity, and keep the equivalent academic activity using (SIS_ACT_SEC_SES).
 4. [A4_EnglishCoursesGrouped]
Group all sessions in [A2] to get one row for each course, sum the count of sections, sum the sum of current registrations, max the max of current registrations, max the max of maximum registration quantity, and keep equivalent academic activity.
 5. [A5_FrenchCoursesGrouped]
Group all sessions in [A3] to get one row for each course, sum the count of sections, sum the sum of current registrations, max the max of current registrations, max the max of maximum registration quantity, and keep equivalent academic activity.
 6. [A6_Join]
Join [A4] and [A5]. For English Normax, if maximum registration quantity = 0, then use max of current registrations. Do the same to find the French Normax.
 7. [A7-Joined]
Join [A6] with (SIS_ACT_OFFER) to find activity primary org, activity secondary org, and compare English Normax with French Normax and take the higher.
 8. [A8_Labs]
Identify courses that have lab components using (SIS_MEETING_SCHD).
 9. [A9_EnglishLabs]
From [A8], determine all English courses with lab components, count the number of sections using TEACH_METHOD_MEET, sum of current enrollment quantity, and

determine LabEngNormax using the higher of max of current enrollment quantity and max of maximum enrollment quantity.

10. [A10_FrenchLabs]
From [A8], determine all French courses with lab components, count the number of sections using TEACH_METHOD_MEET, sum of current enrollment quantity, and determine LabFraNormax using the higher of max of current enrollment quantity and max of maximum enrollment quantity.
11. [A11]
Join [A9] and [A10].
12. [A12_JoinA7andA11Labs]
Join [A7] to [A11]
13. [A13_Final]

Calculate the number of supplementary sections on account of bilingualism for each course:

- Normal number of sections (rounded up to next unit) = Total number of registered students / Normax
- Supplementary number of sections = Actual number of sections – Normal number of sections (Note: Maximum supplementary number of sections = 1)
- Supplementary full course equivalents = Supplementary number of sections * Weight

Non-Parallel Courses

Non-parallel supplementary course offerings exist when different subject material is being offered in order to provide an adequate range of courses.

1. Applicable to French courses offered in the undergraduate program with no English equivalent course (ERG, ORA, PDP, PED, PHT, REA, SVS).
2. For the relevant sessions, find all University of Ottawa French courses identified in 1, activity primary organization, activity secondary organization, and weight based on the full course equivalent weight (P=1, D=0.5)
3. Identify the total number of sections, total registrations, and calculate the average registration for each course (total registration / total number of sections).
4. Compute the University average by finding the total number of sections and registrations by level (e.g. 1000, 2000, 3000, etc.) of all courses offered by the University during the relevant sessions.
5. The non parallel supplemental courses is calculated by comparing the average registration for each course with the University average. If the average registration is less than the University average, the non parallel supplemental is equal to the weight. If the average registration is equal to or greater than the University average, the non parallel supplemental is equal to zero.

Appendix C: Detailed results for parallel courses

Legend:

- FRACRS French course
- ENGCRS English course
- ACTPORG Activity primary organisation (Faculty)
- ACTSORG Activity secondary organisation (Department)
- ENGSEC Number of sections in English
- ENGREG Number of registrants in English
- FRASEC Number of sections in French
- FRAREG Number of registrants in French
- TOTSEC Total number of sections
- TOTREG Total number of registrants
- NORMAX Normal maximum section size
- WEIGHT Half course or full course
- NORMSEC Normal number of sections
- SUPPCRS Supplementary courses
- FCESPL Supplementary full course equivalent

F	E	A	A	E	E	F	F	T	T	N	W	N	S	F
R	N	C	C	N	N	R	R	O	O	O	E	O	U	C
A	G	T	T	G	G	A	A	T	T	R	I	R	P	E
C	C	P	S	S	R	S	R	S	R	M	G	M	P	S
R	R	O	O	E	E	E	E	E	E	A	H	S	C	P
S	S	R	R	C	G	C	G	C	G	X	T	E	R	L
		G	G									C	S	
ADM1500	ADM1100	ADMIN	ADM	6	806	4	232	10	1038	265	0.5	4	6	0.5
ADM1501	ADM1101	ADMIN	ADM	4	284	3	67	7	351	175	0.5	3	4	0.5
ADM1700	ADM1300	ADMIN	ADM	9	619	4	213	13	832	200	0.5	5	8	0.5
ADM1701	ADM1301	ADMIN	ADM	6	622	2	195	8	817	189	0.5	5	3	0.5
ADM2702	ADM2302	ADMIN	ADM	9	586	4	171	13	757	80	0.5	10	3	0.5
ADM2703	ADM2303	ADMIN	ADM	7	487	3	153	10	640	105	0.5	7	3	0.5
ADM2704	ADM2304	ADMIN	ADM	8	444	3	164	11	608	80	0.5	8	3	0.5
ADM2720	ADM2320	ADMIN	ADM	8	606	4	177	12	783	100	0.5	8	4	0.5

ADM2736	ADM2336	ADMIN	ADM 10	618	5	196	15	814	76	0.5	11	4	0.5
ADM2737	ADM2337	ADMIN	ADM 7	362	3	91	10	453	78	0.5	6	4	0.5
ADM2740	ADM2340	ADMIN	ADM 9	583	3	149	12	732	150	0.5	5	7	0.5
ADM2741	ADM2341	ADMIN	ADM 7	412	3	112	10	524	78	0.5	7	3	0.5
ADM2742	ADM2342	ADMIN	ADM 3	172	1	41	4	213	77	0.5	3	1	0.5
ADM2750	ADM2350	ADMIN	ADM 7	427	2	106	9	533	79	0.5	7	2	0.5
ADM2751	ADM2351	ADMIN	ADM 1	62	1	23	2	85	75	0.5	2	0	0
ADM2772	ADM2372	ADMIN	ADM 5	304	2	73	7	377	87	0.5	5	2	0.5
ADM2781	ADM2381	ADMIN	ADM 4	376	2	111	6	487	181	0.5	3	3	0.5
ADM3701	ADM3301	ADMIN	ADM 5	335	3	99	8	434	81	0.5	6	2	0.5
ADM3705	ADM3305	ADMIN	ADM 1	47	1	5	2	52	60	0.5	1	1	0.5
ADM3706	ADM3306	ADMIN	ADM 1	20	1	3	2	23	40	0.5	1	1	0.5
ADM3707	ADM3307	ADMIN	ADM 1	33	1	0	2	33	50	0.5	1	1	0.5
ADM3713	ADM3313	ADMIN	ADM 2	149	1	34	3	183	80	0.5	3	0	0
ADM3718	ADM3318	ADMIN	ADM 3	385	1	74	4	459	170	0.5	3	1	0.5
ADM3721	ADM3321	ADMIN	ADM 3	197	1	37	4	234	76	0.5	4	0	0
ADM3726	ADM3326	ADMIN	ADM 3	212	1	38	4	250	78	0.5	4	0	0
ADM3734	ADM3334	ADMIN	ADM 1	73	1	28	2	101	70	0.5	2	0	0
ADM3736	ADM3336	ADMIN	ADM 3	85	1	25	4	110	55	0.5	2	2	0.5
ADM3737	ADM3337	ADMIN	ADM 1	56	1	23	2	79	62	0.5	2	0	0
ADM3740	ADM3340	ADMIN	ADM 2	119	1	31	3	150	70	0.5	3	0	0
ADM3743	ADM3343	ADMIN	ADM 1	65	1	41	2	106	75	0.5	2	0	0
ADM3745	ADM3345	ADMIN	ADM 2	120	1	26	3	146	69	0.5	3	0	0
ADM3746	ADM3346	ADMIN	ADM 3	170	2	42	5	212	75	0.5	3	2	0.5
ADM3749	ADM3349	ADMIN	ADM 2	117	2	23	4	140	75	0.5	2	2	0.5
ADM3750	ADM3350	ADMIN	ADM 6	374	3	126	9	500	80	0.5	7	2	0.5
ADM3751	ADM3351	ADMIN	ADM 2	91	1	32	3	123	78	0.5	2	1	0.5
ADM3752	ADM3352	ADMIN	ADM 2	80	1	31	3	111	72	0.5	2	1	0.5
ADM3760	ADM3360	ADMIN	ADM 4	293	2	67	6	360	81	0.5	5	1	0.5
ADM3778	ADM3378	ADMIN	ADM 2	61	1	8	3	69	60	0.5	2	1	0.5
ADM3779	ADM3379	ADMIN	ADM 2	33	1	0	3	33	40	0.5	1	2	0.5
ADM4711	ADM4311	ADMIN	ADM 8	393	3	96	11	489	58	0.5	9	2	0.5
ADM4712	ADM4312	ADMIN	ADM 4	170	1	28	5	198	55	0.5	4	1	0.5
ADM4718	ADM4318	ADMIN	ADM 1	70	1	23	2	93	72	0.5	2	0	0
ADM4722	ADM4322	ADMIN	ADM 2	107	1	11	3	118	67	0.5	2	1	0.5
ADM4723	ADM4323	ADMIN	ADM 2	110	1	26	3	136	65	0.5	3	0	0

ADM4728	ADM4328	ADMIN	ADM	2	126	1	23	3	149	67	0.5	3	0	0
ADM4732	ADM4332	ADMIN	ADM	1	29	1	21	2	50	45	0.5	2	0	0
ADM4733	ADM4333	ADMIN	ADM	1	46	1	21	2	67	50	0.5	2	0	0
ADM4737	ADM4337	ADMIN	ADM	1	45	2	11	3	56	46	0.5	2	1	0.5
ADM4740	ADM4340	ADMIN	ADM	2	87	1	20	3	107	50	0.5	3	0	0
ADM4742	ADM4342	ADMIN	ADM	2	81	1	31	3	112	45	0.5	3	0	0
ADM4744	ADM4344	ADMIN	ADM	2	83	1	13	3	96	50	0.5	2	1	0.5
ADM4745	ADM4345	ADMIN	ADM	2	91	2	20	4	111	55	0.5	3	1	0.5
ADM4746	ADM4346	ADMIN	ADM	2	78	2	18	4	96	52	0.5	2	2	0.5
ADM4748	ADM4348	ADMIN	ADM	2	79	1	23	3	102	60	0.5	2	1	0.5
ADM4749	ADM4349	ADMIN	ADM	2	79	1	22	3	101	60	0.5	2	1	0.5
ADM4751	ADM4351	ADMIN	ADM	1	54	1	13	2	67	61	0.5	2	0	0
ADM4754	ADM4354	ADMIN	ADM	1	63	1	11	2	74	67	0.5	2	0	0
ADM5580	ADM5180	EESR MBAG		3	26	1	12	4	38	30	0.5	2	2	0.5
ADM5656	ADM5256	EESR MBAG		2	62	1	21	3	83	55	0.5	2	1	0.5
ADM6630	ADM6230	EESR MBAG		1	37	1	6	2	43	45	0.5	1	1	0.5
ADM6650	ADM6250	EESR MBAG		1	23	1	0	2	23	45	0.5	1	1	0.5
ADM6651	ADM6251	EESR MBAG		1	20	1	0	2	20	45	0.5	1	1	0.5
ADM6660	ADM6260	EESR MBAG		4	171	1	17	5	188	75	0.5	3	2	0.5
ADM6661	ADM6261	EESR MBAG		4	137	1	14	5	151	75	0.5	3	2	0.5
ADM6666	ADM6266	EESR MBAG		1	21	1	12	2	33	45	0.5	1	1	0.5
ADM6667	ADM6267	EESR MBAG		1	13	1	10	2	23	45	0.5	1	1	0.5
ADM6668	ADM6269	EESR MBAG		1	14	1	13	2	27	45	0.5	1	1	0.5
ADM6669	ADM6269	EESR MBAG		1	14	1	9	2	23	45	0.5	1	1	0.5
ADM6828	ADM6228	EESR MBAG		1	35	1	14	2	49	45	0.5	2	0	0
ADM6829	ADM6229	EESR MBAG		1	25	1	8	2	33	55	0.5	1	1	0.5
ADM6858	ADM6258	EESR MBAG		1	27	1	15	2	42	48	0.5	1	1	0.5
ADM6859	ADM6259	EESR MBAG		1	11	1	5	2	16	45	0.5	1	1	0.5
ANP1501	ANP1101	SSAN SINF	3	620	1	276	4	896	360	0.5	3	1	0.5	
ANP1502	ANP1102	SSAN SINF	2	330	1	104	3	434	188	0.5	3	0	0	
ANP1703	ANP1303	SSAN SINF	3	464	1	247	4	711	270	0.5	3	1	0.5	
ANP1704	ANP1304	SSAN SINF	1	165	1	109	2	274	213	0.5	2	0	0	
ANT2525	ANT2125	SSOC SOC	1	166	1	65	2	231	173	0.5	2	0	0	
ANT3531	ANT3131	SSOC SOC	1	18	1	14	2	32	75	0.5	1	1	0.5	
APA1513	APA1113	SSAN ACTP	3	257	1	96	4	353	156	0.5	3	1	0.5	
APA1561	APA1161	SSAN ACTP	1	223	1	89	2	312	225	0.5	2	0	0	

APA1613	APA1213	SSAN ACTP 16	210	9	88	25	298	218	1	2	23	1
APA2511	APA2111	SSAN ACTP 1	152	1	60	2	212	156	0.5	2	0	0
APA2521	APA2121	SSAN ACTP 3	240	1	69	4	309	171	0.5	2	2	0.5
APA2524	APA2124	SSAN ACTP 1	28	1	15	2	43	108	0.5	1	1	0.5
APA2542	APA2142	SSAN ACTP 1	154	1	53	2	207	156	0.5	2	0	0
APA2700	APA2300	SSAN ACTP 12	142	5	60	17	202	160	0.5	2	15	0.5
APA2713	APA2313	SSAN ACTP 11	135	7	51	18	186	160	1	2	16	1
APA2720	APA2320	SSAN ACTP 1	148	1	40	2	188	153	0.5	2	0	0
APA2745	APA2345	SSAN ACTP 1	133	1	50	2	183	147	0.5	2	0	0
APA3511	APA3111	SSAN ACTP 3	46	3	25	6	71	54	0.5	2	4	0.5
APA3516	APA3116	SSAN ACTP 1	66	1	15	2	81	74	0.5	2	0	0
APA3522	APA3122	SSAN ACTP 1	101	1	38	2	139	130	0.5	2	0	0
APA3525	APA3125	SSAN ACTP 1	127	1	25	2	152	130	0.5	2	0	0
APA3526	APA3126	SSAN ACTP 3	47	2	20	5	67	30	0.5	3	2	0.5
APA3535	APA3135	SSAN ACTP 1	143	1	60	2	203	144	0.5	2	0	0
APA3540	APA3140	SSAN ACTP 1	141	1	46	2	187	144	0.5	2	0	0
APA3701	APA3301	SSAN ACTP 1	123	1	46	2	169	136	0.5	2	0	0
APA3711	APA3311	SSAN ACTP 1	14	1	15	2	29	62	0.5	1	1	0.5
APA3712	APA3312	SSAN ACTP 1	98	1	42	2	140	124	1	2	0	0
APA3714	APA3314	SSAN ACTP 8	62	3	13	11	75	90	1	1	10	1
APA3720	APA3320	SSAN ACTP 1	110	1	52	2	162	123	0.5	2	0	0
APA3722	APA3322	SSAN ACTP 1	99	1	35	2	134	120	0.5	2	0	0
APA3724	APA3324	SSAN ACTP 2	75	2	41	4	116	41	0.5	3	1	0.5
APA3735	APA3335	SSAN ACTP 1	96	1	50	2	146	120	0.5	2	0	0
APA4500	APA4100	SSAN ACTP 2	47	2	6	4	53	60	0.5	1	3	0.5
APA4511	APA4111	SSAN ACTP 2	192	2	66	4	258	99	0.5	3	1	0.5
APA4516	APA4116	SSAN ACTP 1	82	1	10	2	92	83	0.5	2	0	0
APA4550	APA4150	SSAN ACTP 1	40	1	6	2	46	55	0.5	1	1	0.5
APA4555	APA4155	SSAN ACTP 5	23	3	7	8	30	45	1	1	7	1
APA4713	APA4313	SSAN ACTP 2	38	1	0	3	38	60	0.5	1	2	0.5
APA4720	APA4320	SSAN ACTP 1	24	1	20	2	44	60	0.5	1	1	0.5
APA4723	APA4323	SSAN ACTP 1	42	1	19	2	61	55	0.5	2	0	0
APA4760	APA4360	SSAN ACTP 5	35	3	5	8	40	46	1	1	7	1
APA5503	APA5103	EESR ACTP 1	9	1	6	2	15	30	0.5	1	1	0.5
APA5504	APA5104	EESR ACTP 1	11	1	0	2	11	30	0.5	1	1	0.5
APA5701S	APA5301S	EESR ACTP 1	11	1	2	2	13	30	0.5	1	1	0.5

APA5702S	APA5302S	EESR ACTP	1	10	1	1	2	11	30	0.5	1	1	0.5
APA5703	APA5303	EESR ACTP	1	14	1	0	2	14	30	0.5	1	1	0.5
APA5707	APA5307	EESR ACTP	1	11	1	0	2	11	30	0.5	1	1	0.5
APA5711	APA5311	EESR ACTP	1	0	1	0	2	0	30	0.5	0	2	0.5
APA5712S	APA5312S	EESR ACTP	1	4	1	2	2	6	30	0.5	1	1	0.5
APA5713S	APA5313S	EESR ACTP	1	3	1	2	2	5	30	0.5	1	1	0.5
APA6701	APA6301	EESR ACTP	1	26	1	9	2	35	30	0.5	2	0	0
ART1711	ART1311	ARTS ARV	3	62	6	27	9	89	30	0.5	3	6	0.5
ART1721	ART1321	ARTS ARV	3	56	2	28	5	84	30	0.5	3	2	0.5
ART1731	ART1331	ARTS ARV	4	59	2	23	6	82	30	0.5	3	3	0.5
ART1741	ART1341	ARTS ARV	3	56	1	22	4	78	30	0.5	3	1	0.5
ART2560	ART2160	ARTS ARV	1	132	1	40	2	172	139	0.5	2	0	0
ART2561	ART2161	ARTS ARV	1	91	1	38	2	129	140	0.5	1	1	0.5
ART2570	ART2170	ARTS ARV	1	56	1	16	2	72	95	0.5	1	1	0.5
ART2571	ART2171	ARTS ARV	1	48	1	11	2	59	95	0.5	1	1	0.5
ART3580	ART3180	ARTS ARV	1	56	1	11	2	67	75	0.5	1	1	0.5
ART3581	ART3181	ARTS ARV	1	54	1	10	2	64	75	0.5	1	1	0.5
BAC2500	BAC2100	SSAN SINF	4	165	1	42	5	207	149	0.5	2	3	0.5
BCH2540	BCH2140	SCIENBCH	1	330	1	91	2	421	415	0.5	2	0	0
BCH2736	BCH2336	SCIENBCH	8	201	2	56	10	257	40	0.5	7	3	0.5
BCH3520	BCH3120	SCIENBCH	1	142	1	45	2	187	156	0.5	2	0	0
BCH3525	BCH3125	SCIENBCH	1	92	1	32	2	124	110	0.5	2	0	0
BCH3570	BCH3170	SCIENBCH	1	149	1	34	2	183	160	0.5	2	0	0
BCH3746	BCH3346	SCIENBCH	2	71	1	26	3	97	40	0.5	3	0	0
BCH3756	BCH3356	SCIENBCH	3	104	1	31	4	135	40	0.5	4	0	0
BIO1509	BIO1109	SCIENBIO	2	118	2	44	4	162	160	0.5	2	2	0.5
BIO1510	BIO1110	SCIENBIO	28	796	10	266	38	1062	404	1	3	35	1
BIO1520	BIO1120	SCIENBIO	30	807	11	283	41	1090	416	1	3	38	1
BIO1700	BIO1300	SCIENBIO	1	200	1	71	2	271	217	0.5	2	0	0
BIO2509	BIO2109	SCIENBIO	7	158	5	67	12	225	196	1	2	10	1
BIO2523	BIO2123	SCIENBIO	33	345	15	109	48	454	40	1	12	36	1
BIO2525	BIO2125	SCIENBIO	7	195	5	57	12	252	202	1	2	10	1
BIO2527	BIO2127	SCIENBIO	7	190	5	74	12	264	196	1	2	10	1
BIO3502	BIO3102	SCIENBIO	1	76	1	38	2	114	125	0.5	1	1	0.5
BIO3515	BIO3115	SCIENBIO	1	96	1	34	2	130	118	0.5	2	0	0
BIO3524	BIO3124	SCIENBIO	1	139	1	50	2	189	173	0.5	2	0	0

BIO3526	BIO3126	SCIENBIO	2	32	2	21	4	53	40	0.5	2	2	0.5	
BIO3540	BIO3140	SCIENBIO	1	86	1	15	2	101	100	0.5	2	0	0	
BIO3551	BIO3151	SCIENBIO	2	45	1	11	3	56	30	0.5	2	1	0.5	
BIO3552	BIO3152	SCIENBIO	1	9	1	8	2	17	30	0.5	1	1	0.5	
BIO3553	BIO3153	SCIENBIO	1	97	1	32	2	129	156	0.5	1	1	0.5	
BIO3570	BIO3170	SCIENBIO	1	60	1	19	2	79	84	0.5	1	1	0.5	
BIO3701	BIO3301	SCIENBIO	1	136	1	43	2	179	183	0.5	1	1	0.5	
BIO3702	BIO3302	SCIENBIO	1	83	1	29	2	112	121	0.5	1	1	0.5	
BIO4534	BIO4134	SCIENBIO	1	1	1	1	2	2	30	0.5	1	1	0.5	
BPS3501	BPS3101	SCIENBPS	1	122	1	42	2	164	160	0.5	2	0	0	
BPS4523	BPS4123	SCIENBPS	2	65	1	0	3	65	50	0.5	2	1	0.5	
BPS4526	BPS4126	SCIENBPS	1	6	1	4	2	10	30	0.5	1	1	0.5	
CDN1500	CDN1100	ARTS ETC	CDN	1	110	1	22	2	132	122	0.5	2	0	0
CEG2531	CEG2131	GENIE	ELG	12	470	4	42	16	512	149	1	4	12	1
CEG2551	CEG2151	GENIE	ELG	4	81	2	16	6	97	88	1	2	4	1
CEG3531	CEG3131	GENIE	ELG	8	168	3	39	11	207	117	1	2	9	1
CEG3540	CEG3140	GENIE	ELG	5	54	4	11	9	65	100	1	1	8	1
CEG3551	CEG3151	GENIE	ELG	6	87	3	8	9	95	70	1	2	7	1
CEG3582	CEG3182	GENIE	ELG	12	85	6	18	18	103	60	1	2	16	1
CEG4553	CEG4153	GENIE	ELG	6	161	3	31	9	192	201	1	1	8	1
CEG4561	CEG4161	GENIE	ELG	6	88	3	20	9	108	97	1	2	7	1
CEG4583	CEG4183	GENIE	ELG	5	182	2	31	7	213	105	1	3	4	1
CHG1520	CHG1120	SCGEN	CHGS	1	116	1	26	2	142	155	1	1	1	1
CHG2712	CHG2312	GENIE	CHG	1	39	1	16	2	55	150	0.5	1	1	0.5
CHG2714	CHG2314	GENIE	CHG	1	35	1	8	2	43	150	0.5	1	1	0.5
CHG2717	CHG2317	SCGEN	CHGS	1	44	1	11	2	55	56	0.5	1	1	0.5
CHM1710	CHM1310	SCIENCHM		50	2209	7	765	57	2974	420	1	8	49	1
CHM1720	CHM1320	SCIENCHM		33	734	24	272	57	1006	400	1	3	54	1
CHM2516	CHM2116	SCIENCHM		2	49	2	28	4	77	48	0.5	2	2	0.5
CHM2518	CHM2118	SCIENCHM		2	158	2	50	4	208	96	0.5	3	1	0.5
CHM2520	CHM2120	SCIENCHM		1	404	1	134	2	538	433	0.5	2	0	0
CHM2526	CHM2126	SCIENCHM		3	321	3	103	6	424	128	0.5	4	2	0.5
CHM2530	CHM2130	SCIENCHM		1	67	1	23	2	90	77	0.5	2	0	0
CHM2531	CHM2131	SCIENCHM		1	51	1	17	2	68	54	0.5	2	0	0
CHM2532	CHM2132	SCIENCHM		1	321	1	83	2	404	362	0.5	2	0	0
CHM2536	CHM2136	SCIENCHM		2	38	1	10	3	48	36	0.5	2	1	0.5

CHM2554	CHM2154	SCIENCHM	1	186	1	59	2	245	195	0.5	2	0	0	
CHM2711	CHM2311	SCIENCHM	1	76	1	40	2	116	81	0.5	2	0	0	
CHM2752	CHM2352	SCIENCHM	1	89	1	38	2	127	101	0.5	2	0	0	
CHM3520	CHM3120	SCIENCHM	1	93	1	40	2	133	106	0.5	2	0	0	
CHM3522	CHM3122	SCIENCHM	1	85	1	36	2	121	100	0.5	2	0	0	
CHM3526	CHM3126	SCIENCHM	2	18	2	16	4	34	30	1	2	2	1	
CHM3550	CHM3150	SCIENCHM	1	10	1	21	2	31	65	0.5	1	1	0.5	
CHM3556	CHM3156	SCIENCHM	1	6	1	5	2	11	30	0.5	1	1	0.5	
CHM3736	CHM3336	SCIENCHM	1	2	1	6	2	8	30	0.5	1	1	0.5	
CHM3771	CHM3371	SCIENCHM	1	11	1	0	2	11	54	0.5	1	1	0.5	
CLA1501	CLA1101	ARTS CLA	1	112	1	72	2	184	115	0.5	2	0	0	
CLA1502	CLA1102	ARTS CLA	1	151	1	48	2	199	154	0.5	2	0	0	
CLA2501	CLA2101	ARTS CLA	1	64	1	23	2	87	80	0.5	2	0	0	
CLA2502	CLA2102	ARTS CLA	1	71	1	29	2	100	80	0.5	2	0	0	
CLA2723	CLA2323	ARTS CLA	2	180	1	59	3	239	200	0.5	2	1	0.5	
CLA2735	CLA2335	ARTS CLA	2	27	1	1	3	28	30	0.5	1	2	0.5	
CLA3510	CLA3110	ARTS CLA	3	59	2	8	5	67	31	0.5	3	2	0.5	
CLI3501	CLI3101	MED MD	1	83	1	37	2	120	83	0.5	2	0	0	
CLI3502	CLI3102	MED MD	3	249	3	91	6	340	84	0.5	5	1	0.5	
CLI3503	CLI3103	MED MD	3	251	3	89	6	340	86	0.5	4	2	0.5	
CLI3504	CLI3104	MED MD	3	239	3	99	6	338	82	0.5	5	1	0.5	
CLI3506	CLI3106	MED MD	3	248	3	92	6	340	83	0.5	5	1	0.5	
CLI3507	CLI3107	MED MD	3	340	2	2	5	342	120	0.5	3	2	0.5	
CLI3508	CLI3108	MED MD	4	238	4	101	8	339	82	0.5	5	3	0.5	
CLI3509	CLI3109	MED MD	3	164	2	74	5	238	82	0.5	3	2	0.5	
CLI3510	CLI3110	MED MD	2	166	2	74	4	240	84	0.5	3	1	0.5	
CLI4501	CLI4201	MED MD	2	194	2	0	4	194	97	0.5	2	2	0.5	
CLI4502	CLI4202	MED MD	2	194	2	0	4	194	97	0.5	2	2	0.5	
CLI4503	CLI4203	MED MD	2	194	2	0	4	194	97	0.5	2	2	0.5	
CLI4504	CLI4104	MED MD	3	194	2	0	5	194	97	0.5	2	3	0.5	
CML1506	CML1106	CLAW	CML	8	315	2	94	10	409	52	0.5	8	2	0.5
CML1602	CML1202	CLAW	CML	4	290	2	100	6	390	80	1	5	1	1
CML1603	CML1203	CLAW	CML	6	204	2	98	8	302	70	1	5	3	1
CML1608	CML1208	CLAW	CML	4	309	2	98	6	407	94	1	5	1	1
CML1613	CML1213	CLAW	CML	2	162	1	54	3	216	84	1	3	0	0
CML1627	CML1227	CLAW	CML	10	182	4	98	14	280	30	1	10	4	1

CML2501	CML2101	CLAW	CML 3	40	2	16	5	56	30	0.5	2	3	0.5
CML2504	CML2104	CLAW	CML 2	65	1	14	3	79	65	0.5	2	1	0.5
CML2602	CML2202	CLAW	CML 3	147	1	43	4	190	65	1	3	1	1
CML2701	CML2301	CLAW	CML 1	19	1	8	2	27	30	0.5	1	1	0.5
CML2703	CML2303	CLAW	CML 1	30	1	16	2	46	65	0.5	1	1	0.5
CML2709	CML2309	CLAW	CML 3	171	2	112	5	283	77	0.5	4	1	0.5
CML2711	CML2311	CLAW	CML 1	23	1	37	2	60	65	0.5	1	1	0.5
CML2713	CML2313	CLAW	CML 3	142	1	32	4	174	65	0.5	3	1	0.5
CML2803	CML2403	CLAW	CML 2	76	1	20	3	96	65	1	2	1	1
CML3523	CML3123	CLAW	CML 1	4	1	42	2	46	41	0.5	2	0	0
CML3526	CML3126	CLAW	CML 1	16	1	4	2	20	30	0.5	1	1	0.5
CML3553	CML3153	CLAW	CML 1	25	1	5	2	30	30	0.5	1	1	0.5
CML3554	CML3154	CLAW	CML 2	38	1	16	3	54	30	0.5	2	1	0.5
CML3560	CML3160	CLAW	CML 1	19	1	11	2	30	30	0.5	1	1	0.5
CML3601	CML3201	CLAW	CML 1	25	2	4	3	29	63	1	1	2	1
CML3648	CML3248	CLAW	CML 2	38	2	28	4	66	30	1	3	1	1
CML3649	CML3249	CLAW	CML 2	16	2	8	4	24	30	1	1	3	1
CML3653	CML3253	CLAW	CML 1	17	1	5	2	22	30	0.5	1	1	0.5
CML3707	CML3307	CLAW	CML 2	90	1	11	3	101	70	0.5	2	1	0.5
CML3713	CML3313	CLAW	CML 2	48	1	8	3	56	30	0.5	2	1	0.5
CML3769	CML3369	CLAW	CML 1	24	1	10	2	34	30	0.5	2	0	0
CML3771	CML3371	CLAW	CML 2	86	1	14	3	100	63	0.5	2	1	0.5
CML3775	CML3375	CLAW	CML 1	48	1	25	2	73	63	0.5	2	0	0
CML3783	CML3383	CLAW	CML 1	25	1	10	2	35	40	0.5	1	1	0.5
CML3797	CML3397	CLAW	CML 1	51	1	27	2	78	65	0.5	2	0	0
CML4502	CML4102	CLAW	CML 1	5	1	4	2	9	30	0.5	1	1	0.5
CML4507	CML4107	CLAW	CML 2	33	2	8	4	41	30	0.5	2	2	0.5
CML4508	CML4108	CLAW	CML 6	66	2	15	8	81	62	0.5	2	6	0.5
CML4509	CML4109	CLAW	CML 1	22	1	16	2	38	30	0.5	2	0	0
CML4511	CML4111	CLAW	CML 3	25	1	4	4	29	30	0.5	1	3	0.5
CML4512	CML4112	CLAW	CML 3	40	1	3	4	43	30	0.5	2	2	0.5
CMN1501	CMN1101	ARTS CMN	2	358	1	144	3	502	200	0.5	3	0	0
CMN1520	CMN1120	ARTS CMN	4	736	2	292	6	1028	201	0.5	6	0	0
CMN2530	CMN2130	ARTS CMN	3	234	2	137	5	371	83	0.5	5	0	0
CMN2532	CMN2132	ARTS CMN	2	145	2	77	4	222	80	0.5	3	1	0.5
CMN2535	CMN2135	ARTS CMN	3	57	2	37	5	94	30	0.5	4	1	0.5

CMN2548	CMN2148	ARTS CMN	2	142	1	46	3	188	84	0.5	3	0	0
CMN2552	CMN2152	ARTS CMN	2	99	2	77	4	176	50	0.5	4	0	0
CMN2558	CMN2158	ARTS CMN	3	52	3	52	6	104	30	0.5	4	2	0.5
CMN2560	CMN2160	ARTS CMN	2	134	2	106	4	240	81	0.5	3	1	0.5
CMN2567	CMN2167	ARTS CMN	3	61	3	52	6	113	30	0.5	4	2	0.5
CMN2568	CMN2168	ARTS CMN	2	154	1	60	3	214	82	0.5	3	0	0
CMN2570	CMN2170	ARTS CMN	3	225	3	135	6	360	80	0.5	5	1	0.5
CMN2573	CMN2173	ARTS CMN	2	127	2	132	4	259	80	0.5	4	0	0
CMN2580	CMN2180	ARTS CMN	2	150	1	68	3	218	80	0.5	3	0	0
CMN2581	CMN2181	ARTS CMN	1	82	1	39	2	121	87	0.5	2	0	0
CMN3502	CMN3102	ARTS CMN	3	169	1	39	4	208	81	0.5	3	1	0.5
CMN3503	CMN3103	ARTS CMN	3	171	1	72	4	243	81	0.5	3	1	0.5
CMN3504	CMN3104	ARTS CMN	1	75	1	32	2	107	80	0.5	2	0	0
CMN3505	CMN3105	ARTS CMN	3	203	3	123	6	326	84	0.5	4	2	0.5
CMN3509	CMN3109	ARTS CMN	3	216	2	70	5	286	86	0.5	4	1	0.5
CMN3530	CMN3130	ARTS CMN	1	42	1	30	2	72	75	0.5	1	1	0.5
CMN3538	CMN3138	ARTS CMN	4	62	3	43	7	105	30	0.5	4	3	0.5
CMN3544	CMN3144	ARTS CMN	2	133	2	109	4	242	80	0.5	4	0	0
CMN3548	CMN3148	ARTS CMN	2	45	1	16	3	61	30	0.5	3	0	0
CMN3555	CMN3155	ARTS CMN	1	48	1	33	2	81	80	0.5	2	0	0
CMN3558	CMN3158	ARTS CMN	1	8	1	14	2	22	30	0.5	1	1	0.5
CMN3565	CMN3165	ARTS CMN	2	91	1	17	3	108	80	0.5	2	1	0.5
CMN3567	CMN3167	ARTS CMN	2	30	1	16	3	46	30	0.5	2	1	0.5
CMN3574	CMN3174	ARTS CMN	1	51	1	64	2	115	69	0.5	2	0	0
CMN3582	CMN3182	ARTS CMN	1	18	2	16	3	34	80	0.5	1	2	0.5
CMN3590	CMN3190	ARTS CMN	2	113	1	24	3	137	80	0.5	2	1	0.5
CMN3597	CMN3197	ARTS CMN	1	49	1	61	2	110	80	0.5	2	0	0
CMN4505	CMN4105	ARTS CMN	1	19	1	8	2	27	35	0.5	1	1	0.5
CMN4528	CMN4128	ARTS CMN	2	24	1	22	3	46	35	0.5	2	1	0.5
CMN4529	CMN4129	ARTS CMN	1	13	1	18	2	31	35	0.5	1	1	0.5
CMN4531	CMN4131	ARTS CMN	2	47	1	22	3	69	35	0.5	2	1	0.5
CMN4566	CMN4166	ARTS CMN	2	39	1	13	3	52	35	0.5	2	1	0.5
CMN4568	CMN4168	ARTS CMN	2	44	4	0	6	44	35	0.5	2	4	0.5
CMN4570	CMN4170	ARTS CMN	2	32	1	13	3	45	35	0.5	2	1	0.5
CMN4585	CMN4185	ARTS CMN	1	22	1	0	2	22	35	0.5	1	1	0.5
CMN4601	CMN4201	ARTS CMN	2	17	2	0	4	17	30	1	1	3	1

CRM1700	CRM1300	SSOC CRM	9	961	6	361	15	1322	210	0.5	7	8	0.5
CRM1701	CRM1301	SSOC CRM	5	700	2	311	7	1011	175	0.5	6	1	0.5
CRM2700	CRM2300	SSOC CRM	2	196	1	108	3	304	140	0.5	3	0	0
CRM2701	CRM2301	SSOC CRM	2	230	1	136	3	366	148	0.5	3	0	0
CRM2703	CRM2303	SSOC CRM	2	153	1	80	3	233	149	0.5	2	1	0.5
CRM2705	CRM2305	SSOC CRM	2	188	1	83	3	271	156	0.5	2	1	0.5
CRM2706	CRM2306	SSOC CRM	4	206	2	108	6	314	150	0.5	3	3	0.5
CRM2707	CRM2307	SSOC CRM	1	141	1	86	2	227	150	0.5	2	0	0
CRM2708	CRM2308	SSOC CRM	4	179	1	54	5	233	150	0.5	2	3	0.5
CRM2710	CRM2310	SSOC CRM	1	144	1	78	2	222	160	0.5	2	0	0
CRM2711	CRM2311	SSOC CRM	2	241	2	138	4	379	130	0.5	3	1	0.5
CRM3702	CRM3302	SSOC CRM	2	129	1	63	3	192	103	0.5	2	1	0.5
CRM3703	CRM3303	SSOC CRM	2	107	2	67	4	174	57	0.5	4	0	0
CRM3706	CRM3306	SSOC CRM	1	55	1	31	2	86	75	0.5	2	0	0
CRM3707	CRM3307	SSOC CRM	1	68	1	15	2	83	75	0.5	2	0	0
CRM3708	CRM3308	SSOC CRM	3	56	1	38	4	94	75	0.5	2	2	0.5
CRM3712	CRM3312	SSOC CRM	1	90	1	67	2	157	98	0.5	2	0	0
CRM3714	CRM3314	SSOC CRM	1	77	1	67	2	144	78	0.5	2	0	0
CRM3720	CRM3320	SSOC CRM	1	51	1	30	2	81	75	0.5	2	0	0
CRM3722	CRM3322	SSOC CRM	1	52	1	24	2	76	75	0.5	2	0	0
CRM3724	CRM3324	SSOC CRM	1	0	1	20	2	20	40	0.5	1	1	0.5
CRM3733	CRM3333	SSOC CRM	2	72	2	47	4	119	42	0.5	3	1	0.5
CRM3734	CRM3334	SSOC CRM	2	62	2	45	4	107	38	0.5	3	1	0.5
CRM4660	CRM4260	SSOC CRM	4	55	4	33	8	88	30	1	3	5	1
CRM4701	CRM4301	SSOC CRM	1	12	1	10	2	22	30	0.5	1	1	0.5
CRM4703	CRM4303	SSOC CRM	1	20	1	21	2	41	30	0.5	2	0	0
CRM4706	CRM4306	SSOC CRM	1	18	1	8	2	26	30	0.5	1	1	0.5
CRM4710	CRM4310	SSOC CRM	3	42	2	27	5	69	30	0.5	3	2	0.5
CRM4711	CRM4311	SSOC CRM	1	15	2	20	3	35	30	0.5	2	1	0.5
CRM4712	CRM4312	SSOC CRM	2	16	1	10	3	26	30	0.5	1	2	0.5
CRM4713	CRM4313	SSOC CRM	1	20	1	20	2	40	30	0.5	2	0	0
CRM4714	CRM4314	SSOC CRM	1	16	1	9	2	25	30	0.5	1	1	0.5
CRM4717	CRM4317	SSOC CRM	4	49	4	33	8	82	30	0.5	3	5	0.5
CRM5800	CRM5400	EESR CRM	2	6	2	0	4	6	30	1	1	3	1
CRM6600	CRM6200	EESR CRM	2	29	2	29	4	58	30	1	2	2	1
CRM6740	CRM6340	EESR CRM	1	15	1	14	2	29	30	0.5	1	1	0.5

CRM6750	CRM6350	EESR CRM	1	16	1	15	2	31	30	0.5	2	0	0	
CRM6780	CRM6380	EESR CRM	2	7	2	6	4	13	30	0.5	1	3	0.5	
CRM6800	CRM6400	EESR CRM	2	14	2	18	4	32	30	1	2	2	1	
CRM8500	CRM8100	EESR CRM	2	4	2	3	4	7	30	0.5	1	3	0.5	
CRM8510	CRM8110	EESR CRM	1	0	1	0	2	0	30	0.5	0	2	0.5	
CSI1500	CSI1100	SCIENCSIS	10	199	5	90	15	289	130	1	3	12	1	
CSI1501	CSI1101	SCIENCSIS	10	135	4	52	14	187	120	1	2	12	1	
CSI1502	CSI1102	GENIE CSIG	19	341	4	67	23	408	120	1	4	19	1	
CSI1701	CSI1301	SCIENCSIS	6	646	3	204	9	850	171	1	5	4	1	
CSI2511	CSI2111	SCIENCSIG	2	98	1	29	3	127	60	0.5	3	0	0	
CSI2514	CSI2114	SCIENCSIG	16	350	4	43	20	393	200	0.5	2	18	0.5	
CSI2515	CSI2115	SCIENCSIS	1	29	1	0	2	29	60	0.5	1	1	0.5	
CSI2521	CSI2121	SCIENCSIG	5	82	3	17	8	99	115	0.5	1	7	0.5	
CSI2531	CSI2131	SCIENCSIG	10	142	2	28	12	170	90	0.5	2	10	0.5	
CSI2565	CSI2165	SCIENCSIG	6	111	2	17	8	128	85	0.5	2	6	0.5	
CSI2572	CSI2172	SCIENCSIG	15	151	3	14	18	165	70	0.5	3	15	0.5	
CSI3503	CSI3103	SCIENCSIS	1	95	1	11	2	106	101	0.5	2	0	0	
CSI3504	CSI3104	SCIENCSIG	1	66	1	10	2	76	82	0.5	1	1	0.5	
CSI3505	CSI3105	SCIENCSIG	2	148	1	28	3	176	80	0.5	3	0	0	
CSI3525	CSI3125	SCIENCSIG	8	103	3	12	11	115	58	1	2	9	1	
CSI3550	CSI3150	SCIENCSIS	2	87	1	0	3	87	60	1	2	1	1	
CSI3710	CSI3310	SCIENCSIS	14	242	6	50	20	292	180	0.5	2	18	0.5	
CSI3717	CSI3317	SCIENCSIG	2	161	1	36	3	197	90	0.5	3	0	0	
CSI4531	CSI4131	SCIENCSIS	6	14	3	2	9	16	30	1	1	8	1	
CSI4538	CSI4138	GENIE CSIG	5	69	3	27	8	96	77	1	2	6	1	
CVG2540	CVG2140	SCGEN CVGS	5	141	5	45	10	186	160	0.5	2	8	0.5	
CVG6508	CVG6108	EESR CVG	6	12	2	0	8	12	30	0.5	1	7	0.5	
CVG6509	CVG6109	EESR CVG	2	1	2	0	4	1	30	0.5	1	3	0.5	
DLS1500	DLS1100	EDU EDUF	1	33	1	35	2	68	40	0.5	2	0	0	
DLS1501	DLS1101	EDU EDUF	1	24	1	30	2	54	40	0.5	2	0	0	
DLS2501	DLS2101	EDU EDUF	1	20	1	13	2	33	40	0.5	1	1	0.5	
DLS2502	DLS2102	EDU EDUF	1	19	1	12	2	31	40	0.5	1	1	0.5	
DLS4500	DLS4100	EDU EDUF	1	13	1	11	2	24	40	0.5	1	1	0.5	
DRC1511	DRC1311	DCIV DRC	1	11	3	176	4	187	95	0.5	2	2	0.5	
DRC1601	DRC1401	DCIV DRC	1	12	4	191	5	203	92	1	3	2	1	
DRC1614	DRC1414	DCIV DRC	1	13	3	180	4	193	78	1	3	1	1	

DRC1703	DRC1301	DCIV	DRC	2	12	1	10	3	22	30	0.5	1	2	0.5	
DRC2602	DRC2302	DCIV	DRC	1	16	2	117	3	133	75	1	2	1	1	
DRC3704	DRC3401	DCIV	DRC	3	14	2	9	5	23	30	0.5	1	4	0.5	
ECO1502	ECO1102	SSOC	ECO	7	1202	3	314	10	1516	285	0.5	6	4	0.5	
ECO1504	ECO1104	SSOC	ECO	7	1187	4	373	11	1560	420	0.5	4	7	0.5	
ECO1592	ECO1192	SSOC	ECO	2	504	2	102	4	606	311	0.5	2	2	0.5	
ECO1702	ECO1302	SSOC	ECO	1	148	1	74	2	222	244	0.5	1	1	0.5	
ECO1704	ECO1304	SSOC	ECO	1	77	1	43	2	120	115	0.5	2	0	0	
ECO2513	ECO2113	SSOC	ECO	1	105	1	38	2	143	150	0.5	1	1	0.5	
ECO2542	ECO2142	SSOC	ECO	1	110	1	24	2	134	135	0.5	1	1	0.5	
ECO2543	ECO2143	SSOC	ECO	1	93	1	25	2	118	124	0.5	1	1	0.5	
ECO2544	ECO2144	SSOC	ECO	1	113	1	22	2	135	125	0.5	2	0	0	
ECO2545	ECO2145	SSOC	ECO	1	107	1	23	2	130	116	0.5	2	0	0	
ECO2546	ECO2146	SSOC	ECO	1	86	1	24	2	110	96	0.5	2	0	0	
ECO3532	ECO3132	SSOC	ECO	1	37	1	8	2	45	45	0.5	1	1	0.5	
ECO3539	ECO3139	SSOC	ECO	1	21	1	7	2	28	41	0.5	1	1	0.5	
ECO3550	ECO3150	SSOC	ECO	1	63	1	13	2	76	70	0.5	2	0	0	
ECO3551	ECO3151	SSOC	ECO	1	67	1	12	2	79	78	0.5	2	0	0	
ECO3552	ECO3152	SSOC	ECO	1	29	1	10	2	39	50	0.5	1	1	0.5	
ECO3553	ECO3153	SSOC	ECO	1	33	1	7	2	40	47	0.5	1	1	0.5	
ECO3599	ECO3199	SSOC	ECO	1	1	1	6	2	7	30	0.5	1	1	0.5	
ECO4516	ECO4116	SSOC	ECO	1	9	1	6	2	15	30	0.5	1	1	0.5	
ECO5585	ECO5185	EESR	ECO	2	59	1	6	3	65	31	0.5	3	0	0	
ECO6520	ECO6120	EESR	ECO	1	35	1	7	2	42	35	0.5	2	0	0	
ECO6522	ECO6122	EESR	ECO	2	54	1	8	3	62	35	0.5	2	1	0.5	
ECO6540	ECO6140	EESR	ECO	1	18	1	3	2	21	30	0.5	1	1	0.5	
EDU5590	EDU5190	EESR	EDUD		6	95	4	45	10	140	30	0.5	5	5	0.5
EDU5591	EDU5191	EESR	EDUD		1	24	1	0	2	24	30	0.5	1	1	0.5
EDU5599	EDU5199	EESR	EDUD		6	115	4	46	10	161	30	0.5	6	4	0.5
EDU5630	EDU5230	EESR	EDUD		1	24	1	19	2	43	30	0.5	2	0	0
EDU5658	EDU5258	EESR	EDUD		1	30	1	14	2	44	33	0.5	2	0	0
EDU5660	EDU5260	EESR	EDUD		1	31	2	11	3	42	33	1	2	1	1
EDU5662	EDU5262	EESR	EDUD		1	18	2	43	3	61	36	1	2	1	1
EDU5671	EDU5271	EESR	EDUD		2	44	1	14	3	58	30	1	2	1	1
EDU5674	EDU5274	EESR	EDUD		1	25	1	13	2	38	30	1	2	0	0
EDU5699	EDU5299	EESR	EDUD		1	23	1	0	2	23	30	0.5	1	1	0.5

EDU5871	EDU5471	EESR EDUD	4	53	1	10	5	63	30	1	3	2	1
EDU5873	EDU5473	EESR EDUD	2	59	1	8	3	67	33	1	3	0	0
EDU5887	EDU5487	EESR EDUD	1	16	2	15	3	31	30	0.5	2	1	0.5
EDU6591	EDU6191	EESR EDUD	2	35	1	7	3	42	30	0.5	2	1	0.5
EDU6593	EDU6193	EESR EDUD	1	4	2	1	3	5	30	0.5	1	2	0.5
EDU6690	EDU6290	EESR EDUD	1	17	1	6	2	23	30	0.5	1	1	0.5
EDU6693	EDU6293	EESR EDUD	1	2	1	3	2	5	30	0.5	1	1	0.5
EDU6873	EDU6473	EESR EDUD	3	31	3	12	6	43	30	0.5	2	4	0.5
EDU6874	EDU6474	EESR EDUD	4	43	3	0	7	43	30	0.5	2	5	0.5
EDU7550	EDU7150	EESR EDUD	1	0	1	6	2	6	30	0.5	1	1	0.5
EDU7590	EDU7190	EESR EDUD	1	22	1	8	2	30	30	0.5	1	1	0.5
EDU8653	EDU8253	EESR EDUD	1	4	2	6	3	10	30	0.5	1	2	0.5
ELG1500	ELG1100	SCGEN ELGS	11	538	5	115	16	653	153	1	5	11	1
ELG2530	ELG2130	GENIE ELG	11	256	4	23	15	279	105	1	3	12	1
ELG2535	ELG2135	GENIE ELG	10	155	4	23	14	178	100	1	2	12	1
ELG2731	ELG2331	GENIE ELG	4	105	4	15	8	120	190	1	1	7	1
ELG3501	ELG3101	SCGEN ELGS	6	181	4	28	10	209	118	1	2	8	1
ELG3520	ELG3120	SCGEN ELGS	1	104	1	22	2	126	105	1	2	0	0
ELG3521	ELG3121	GENIE ELG	8	92	4	10	12	102	70	1	2	10	1
ELG3535	ELG3135	GENIE ELG	5	118	3	29	8	147	140	1	2	6	1
ELG3570	ELG3170	GENIE ELG	11	106	8	36	19	142	100	1	2	17	1
ELG3582	ELG3182	GENIE ELG	12	84	6	20	18	104	60	1	2	16	1
ELG3700	ELG3300	GENIE ELG	5	76	3	22	8	98	150	1	1	7	1
ELG4512	ELG4112	GENIE ELG	2	28	2	0	4	28	36	1	1	3	1
ELG4532	ELG4132	GENIE ELG	7	89	4	14	11	103	63	1	2	9	1
ELG4571	ELG4171	GENIE ELG	6	96	4	20	10	116	115	1	2	8	1
ELG4572	ELG4172	GENIE ELG	5	79	4	13	9	92	155	1	1	8	1
ELG4583	ELG4183	GENIE ELG	5	4	2	0	7	4	40	1	1	6	1
ESP4501	ESP4101	ARTS LLM	1	7	1	0	2	7	30	0.5	1	1	0.5
EVS1501	EVS1101	SCIENGEO	1	125	1	44	2	169	175	0.5	1	1	0.5
EVS3501	EVS3101	SCIENGEO	1	19	1	12	2	31	30	0.5	2	0	0
FEM1500	FEM1100	SSOC FEM	4	406	3	193	7	599	151	0.5	4	3	0.5
FEM2503	FEM2103	SSOC FEM	1	33	1	12	2	45	40	0.5	2	0	0
FEM2504	FEM2104	SSOC FEM	1	66	1	27	2	93	77	0.5	2	0	0
FEM2505	FEM2105	SSOC FEM	1	36	1	22	2	58	40	0.5	2	0	0
FEM3504	FEM3104	SSOC FEM	1	13	1	9	2	22	30	0.5	1	1	0.5

FEM3505	FEM3105	SSOC FEM	1	14	1	7	2	21	30	0.5	1	1	0.5	
FEM5503	FEM5103	EESR FEM	1	9	1	4	2	13	30	0.5	1	1	0.5	
FEM5700	FEM5300	EESR FEM	1	12	1	5	2	17	30	0.5	1	1	0.5	
GEG1701	GEG1301	ARTS GEG	1	192	1	76	2	268	230	0.5	2	0	0	
GEG1702	GEG1302	ARTS GEG	1	207	1	66	2	273	298	0.5	1	1	0.5	
GEG2508	GEG2108	ARTS GEG	1	128	1	60	2	188	170	0.5	2	0	0	
GEG2509	GEG2109	ARTS GEG	1	145	2	45	3	190	155	0.5	2	1	0.5	
GEG2701	GEG2301	ARTS GEG	1	48	1	23	2	71	80	1	1	1	1	
GEG2704	GEG2304	ARTS GEG	4	62	2	28	6	90	90	0.5	1	5	0.5	
GEG2705	GEG2305	ARTS GEG	1	92	1	24	2	116	125	0.5	1	1	0.5	
GEG2706	GEG2306	ARTS GEG	1	48	1	19	2	67	100	0.5	1	1	0.5	
GEG2720	GEG2320	ARTS GEG	6	76	4	43	10	119	32	0.5	4	6	0.5	
GEG3501	GEG3101	ARTS GEG	1	38	1	15	2	53	41	0.5	2	0	0	
GEG3502	GEG3102	ARTS GEG	2	21	3	10	5	31	40	0.5	1	4	0.5	
GEG3504	GEG3104	ARTS GEG	1	21	1	14	2	35	30	0.5	2	0	0	
GEG3505	GEG3105	ARTS GEG	1	16	1	8	2	24	30	0.5	1	1	0.5	
GEG3514	GEG3114	ARTS GEG	1	33	1	0	2	33	60	0.5	1	1	0.5	
GEG3701	GEG3301	ARTS GEG	3	57	3	24	6	81	40	0.5	3	3	0.5	
GEG3712	GEG3312	ARTS GEG	1	25	1	0	2	25	30	0.5	1	1	0.5	
GEG3721	GEG3321	ARTS GEG	1	31	1	25	2	56	40	0.5	2	0	0	
GEO1511	GEO1111	SCIENGEO	1	177	1	52	2	229	238	1	1	1	1	
GEO1515	GEO1115	SCIENGEO	6	82	2	35	8	117	40	0.5	3	5	0.5	
GEO1701	GEO1301	SCIENGEO	1	163	1	26	2	189	200	0.5	1	1	0.5	
GEO2563	GEO2163	SCIENGEO	2	9	2	7	4	16	30	0.5	1	3	0.5	
GEO2565	GEO2165	SCIENGEO	2	15	2	8	4	23	30	0.5	1	3	0.5	
GEO3565	GEO3165	SCIENGEO	1	7	1	0	2	7	30	0.5	1	1	0.5	
GNG1500	GNG1100	SCGEN	GNG	5	606	2	163	7	769	210	1	4	3	1
GNG1501	GNG1101	GENIE	GNG	19	638	8	156	27	794	420	1	2	25	1
GNG4570	GNG4170	GENIE	GNG	1	217	1	40	2	257	224	0.5	2	0	0
GRT1500	GRT1100	SSOC GRT	1	33	2	34	3	67	50	0.5	2	1	0.5	
HIS1501	HIS1101	ARTS HIS	4	502	5	180	9	682	156	0.5	5	4	0.5	
HIS1510	HIS1110	ARTS HIS	2	360	1	138	3	498	221	0.5	3	0	0	
HIS1511	HIS1111	ARTS HIS	4	597	2	182	6	779	200	0.5	4	2	0.5	
HIS1520	HIS1120	ARTS HIS	3	396	2	156	5	552	155	0.5	4	1	0.5	
HIS2500	HIS2100	ARTS HIS	2	72	1	22	3	94	47	0.5	2	1	0.5	
HIS2501	HIS2101	ARTS HIS	1	17	1	19	2	36	37	0.5	1	1	0.5	

HIS2502	HIS2102	ARTS HIS	1	18	1	18	2	36	30	0.5	2	0	0
HIS2541	HIS2341	ARTS HIS	2	130	1	31	3	161	80	0.5	3	0	0
HIS2542	HIS2342	ARTS HIS	2	152	2	102	4	254	80	0.5	4	0	0
HIS2550	HIS2150	ARTS HIS	2	38	1	34	3	72	80	0.5	1	2	0.5
HIS2551	HIS2151	ARTS HIS	1	72	1	23	2	95	80	0.5	2	0	0
HIS2580	HIS2180	ARTS HIS	1	64	1	47	2	111	80	0.5	2	0	0
HIS2735	HIS2335	ARTS HIS	2	111	1	57	3	168	73	0.5	3	0	0
HIS2739	HIS2129	ARTS HIS	3	458	1	79	4	537	186	0.5	3	1	0.5
HIS2760	HIS2160	ARTS HIS	1	83	1	75	2	158	91	0.5	2	0	0
HIS2761	HIS2361	ARTS HIS	1	54	1	55	2	109	80	0.5	2	0	0
HIS2762	HIS2362	ARTS HIS	2	100	1	45	3	145	80	0.5	2	1	0.5
HIS2763	HIS2363	ARTS HIS	1	79	1	27	2	106	84	0.5	2	0	0
HIS2764	HIS2364	ARTS HIS	3	196	1	41	4	237	80	0.5	3	1	0.5
HIS2770	HIS2170	ARTS HIS	1	66	1	18	2	84	80	0.5	2	0	0
HIS2771	HIS2171	ARTS HIS	2	120	1	23	3	143	80	0.5	2	1	0.5
HIS3510	HIS3110	ARTS HIS	3	41	2	10	5	51	30	0.5	2	3	0.5
HIS3797	HIS3397	ARTS HIS	2	50	3	27	5	77	45	0.5	2	3	0.5
HIS4535	HIS4135	ARTS HIS	5	64	2	24	7	88	30	0.5	3	4	0.5
HIS4551	HIS4151	ARTS HIS	1	16	1	11	2	27	30	0.5	1	1	0.5
HIS4797	HIS4397	ARTS HIS	4	57	1	15	5	72	30	0.5	3	2	0.5
HIS5501	HIS5101	EESR HIS	2	1	1	0	3	1	30	0.5	1	2	0.5
HIS5503	HIS5103	EESR HIS	3	36	3	24	6	60	30	0.5	2	4	0.5
HIS5522	HIS5122	EESR HIS	2	19	1	10	3	29	30	0.5	1	2	0.5
HIS5599	HIS5199	EESR HIS	3	6	3	36	6	42	30	0.5	2	4	0.5
HIS6501	HIS6101	EESR HIS	1	0	1	0	2	0	30	0.5	0	2	0.5
HIS7501	HIS7101	EESR HIS	1	0	2	0	3	0	30	0.5	0	3	0.5
HIS7701	HIS7301	EESR HIS	1	0	1	0	2	0	30	0.5	0	2	0.5
HIS7799	HIS7399	EESR HIS	2	1	2	2	4	3	30	0.5	1	3	0.5
HSS1501	HSS1101	SSAN SINF	1	160	1	76	2	236	195	0.5	2	0	0
HSS2781	HSS2381	SSAN HSS	11	296	7	144	18	440	142	0.5	4	14	0.5
HSS4532	HSS4132	SSAN SINF	1	85	1	25	2	110	87	0.5	2	0	0
HSS4534	HSS4134	SSAN SINF	1	88	1	25	2	113	89	0.5	2	0	0
LCL1501	LCL1101	ARTS CLA	5	93	2	26	7	119	35	0.5	4	3	0.5
LCL1502	LCL1102	ARTS CLA	2	42	1	14	3	56	35	0.5	2	1	0.5
LIN1500	LIN1100	ARTS LIN	2	235	1	46	3	281	130	0.5	3	0	0
LIN1501	LIN1101	ARTS LIN	3	281	4	126	7	407	120	0.5	4	3	0.5

LIN2500	LIN2100	ARTS LIN	1	52	1	29	2	81	90	0.5	1	1	0.5	
LIN2510	LIN2110	ARTS LIN	1	78	1	36	2	114	100	0.5	2	0	0	
LIN2520	LIN2120	ARTS LIN	2	121	1	70	3	191	70	0.5	3	0	0	
LIN3550	LIN3150	ARTS LIN	1	0	1	40	2	40	70	0.5	1	1	0.5	
LIN3791	LIN3391	ARTS LIN	1	25	1	0	2	25	35	0.5	1	1	0.5	
LSR1500	LSR1100	SSAN ACTP	1	150	1	68	2	218	162	0.5	2	0	0	
LSR1505	LSR1105	SSAN ACTP	1	156	1	49	2	205	162	0.5	2	0	0	
LSR2510	LSR2110	SSAN ACTP	1	143	1	27	2	170	158	0.5	2	0	0	
LSR2521	LSR2121	SSAN ACTP	1	96	1	52	2	148	140	0.5	2	0	0	
LSR2522	LSR2122	SSAN ACTP	1	96	1	40	2	136	101	0.5	2	0	0	
LSR2534	LSR2134	SSAN ACTP	1	96	1	38	2	134	131	0.5	2	0	0	
LSR2581	LSR2181	SSOC LSR	1	101	1	15	2	116	120	0.5	1	1	0.5	
LSR3512	LSR3112	SSAN ACTP	1	110	1	40	2	150	120	0.5	2	0	0	
LSR3517	LSR3117	SSOC LSR	1	63	1	37	2	100	120	0.5	1	1	0.5	
LSR3518	LSR3118	SSAN ACTP	1	62	1	29	2	91	68	0.5	2	0	0	
LSR3523	LSR3123	SSAN ACTP	1	77	1	19	2	96	120	0.5	1	1	0.5	
LSR3581	LSR3181	SSAN ACTP	1	53	1	6	2	59	60	0.5	1	1	0.5	
LSR3680	LSR3280	SSAN ACTP	2	72	2	0	4	72	123	1	1	3	1	
LSR4508	LSR4108	SSAN ACTP	1	39	1	0	2	39	90	0.5	1	1	0.5	
LSR4556	LSR4156	SSAN ACTP	1	21	1	10	2	31	90	0.5	1	1	0.5	
MAT1700	MAT1300	SCIENMAT	5	875	4	275	9	1150	245	0.5	5	4	0.5	
MAT1702	MAT1302	SCIENMAT	4	765	3	239	7	1004	246	0.5	5	2	0.5	
MAT1719	MAT1319	SCIENMAT	2	138	2	40	4	178	150	0.5	2	2	0.5	
MAT1720	MAT1320	SCIENMATS		10	1644	4	536	14	2180	244	0.5	9	5	0.5
MAT1722	MAT1322	SCIENMAT	6	733	2	198	8	931	240	0.5	4	4	0.5	
MAT1723	MAT1323	SCIENMAT	5	573	3	171	8	744	298	0.5	3	5	0.5	
MAT1741	MAT1341	SCIENMAT	7	825	2	240	9	1065	200	0.5	6	3	0.5	
MAT1761	MAT1361	SCIENMAT	1	87	1	42	2	129	150	0.5	1	1	0.5	
MAT1771	MAT1371	SCIENMATS		1	38	1	17	2	55	100	0.5	1	1	0.5
MAT1772	MAT1372	SCIENMATS		1	34	1	16	2	50	100	0.5	1	1	0.5
MAT2522	MAT2122	SCIENMAT	1	45	1	32	2	77	66	0.5	2	0	0	
MAT2525	MAT2125	SCIENMATS		2	46	1	17	3	63	55	0.5	2	1	0.5
MAT2541	MAT2141	SCIENMAT	1	34	1	16	2	50	52	0.5	1	1	0.5	
MAT2543	MAT2143	SCIENMAT	2	46	1	15	3	61	50	0.5	2	1	0.5	
MAT2722	MAT2322	SCIENMATS		3	341	1	87	4	428	145	1	3	1	1
MAT2731	MAT2331	SCIENMATS		4	562	2	106	6	668	172	1	4	2	1

MAT2741	MAT2341	SCIENMAT	1	107	1	35	2	142	170	0.5	1	1	0.5		
MAT2743	MAT2343	SCIENMATS		2	144	1	45	3	189	150	0.5	2	1	0.5	
MAT2761	MAT2361	SCIENMAT	1	145	1	21	2	166	150	1	2	0	0		
MAT2771	MAT2371	SCIENMAT	1	121	1	35	2	156	170	0.5	1	1	0.5		
MAT2775	MAT2375	SCIENMAT	2	87	1	29	3	116	135	0.5	1	2	0.5		
MAT2777	MAT2377	SCIENMATS		3	272	1	70	4	342	250	0.5	2	2	0.5	
MAT2778	MAT2378	SCIENMAT	1	278	1	102	2	380	298	0.5	2	0	0		
MAT3720	MAT3320	SCIENMAT	1	47	1	28	2	75	65	0.5	2	0	0		
MAT3721	MAT3321	SCIENMAT	1	93	1	22	2	115	150	0.5	1	1	0.5		
MAT4599	MAT4199	SCIENMAT	2	5	1	1	3	6	30	0.5	1	2	0.5		
MBA5610	MBA5210	EESR MBAG		2	85	2	47	4	132	55	0.5	3	1	0.5	
MBA5635	MBA5235	EESR MBAG		3	96	2	49	5	145	55	0.5	3	2	0.5	
MBA5641	MBA5241	EESR MBAG		4	164	3	47	7	211	55	0.5	4	3	0.5	
MBA5650	MBA5250	EESR MBAG		3	113	1	26	4	139	63	0.5	3	1	0.5	
MBA5655	MBA5255	EESR MBAG		2	89	2	50	4	139	55	0.5	3	1	0.5	
MBA5656	MBA5256	EESR MBAG		3	97	2	44	5	141	55	0.5	3	2	0.5	
MBA5657	MBA5257	EESR MBAG		2	57	1	23	3	80	55	0.5	2	1	0.5	
MBA5660	MBA5260	EESR MBAG		2	94	2	46	4	140	55	0.5	3	1	0.5	
MBA5670	MBA5270	EESR MBAG		3	107	2	48	5	155	55	0.5	3	2	0.5	
MBA5700	MBA5300	EESR MBAG		3	120	2	49	5	169	55	0.5	4	1	0.5	
MBA5720	MBA5320	EESR MBAG		5	192	3	65	8	257	61	0.5	5	3	0.5	
MBA5730	MBA5330	EESR MBAG		3	150	1	26	4	176	60	0.5	3	1	0.5	
MBA5740	MBA5340	EESR MBAG		3	100	1	47	4	147	61	0.5	3	1	0.5	
MBA5750	MBA5350	EESR MBAG		1	45	1	23	2	68	55	0.5	2	0	0	
MBA6662	MBA6262	EESR MBAG		2	41	1	34	3	75	55	0.5	2	1	0.5	
MBA6663	MBA6263	EESR MBAG		2	23	1	28	3	51	55	0.5	1	2	0.5	
MBA6666	MBA6266	EESR MBAG		2	43	1	24	3	67	55	0.5	2	1	0.5	
MBA6691	MBA6291	EESR MBAG		2	6	2	1	4	7	30	0.5	1	3	0.5	
MBA6692	MBA6292	EESR MBAG		2	2	2	2	4	4	30	0.5	1	3	0.5	
MBA6693	MBA6293	EESR MBAG		2	0	2	2	4	2	30	0.5	1	3	0.5	
MBA6694	MBA6294	EESR MBAG		2	0	2	0	4	0	30	0.5	0	4	0.5	
MBA6899	MBA6499	EESR MBAG		1	0	1	0	2	0	30	1	0	2	1	
MCG2501	MCG2101	GENIE	MCG	3	57	2	21	5	78	100	0.5	1	4	0.5	
MCG2507	MCG2107	SCGEN	MCGS		1	99	1	25	2	124	102	1	2	0	0
MCG2535	MCG2135	GENIE	MCG	1	122	1	13	2	135	126	1	2	0	0	
MCG2575	MCG2175	GENIE	MCG	4	85	4	21	8	106	122	1	1	7	1	

MCG2755	MCG2355	GENIE	MCG	1	110	1	24	2	134	115	1	2	0	0
MED1500	MED1100	MED MD		1	96	1	40	2	136	96	0.5	2	0	0
MED1502	MED1102	MED MD		1	96	1	40	2	136	96	0.5	2	0	0
MED1504	MED1104	MED MD		1	103	1	68	2	171	103	0.5	2	0	0
MED1505	MED1105	MED MD		1	103	1	68	2	171	103	0.5	2	0	0
MED1506	MED1106	MED MD		1	103	1	68	2	171	103	0.5	2	0	0
MED1508	MED1108	MED MD		2	193	2	84	4	277	97	0.5	3	1	0.5
MED1533	MED1133	MED MD		2	193	2	84	4	277	97	0.5	3	1	0.5
MED2501	MED2101	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2502	MED2102	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2503	MED2103	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2504	MED2104	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2505	MED2105	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2506	MED2106	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2507	MED2107	MED MD		1	95	1	40	2	135	95	0.5	2	0	0
MED2508	MED2108	MED MD		2	186	2	84	4	270	93	0.5	3	1	0.5
MUS1701	MUS1301	ARTS MUS		1	92	1	21	2	113	150	0.5	1	1	0.5
MUS1702	MUS1302	ARTS MUS		1	50	1	0	2	50	90	0.5	1	1	0.5
MUS2706	MUS2306	ARTS MUS		3	57	3	26	6	83	70	0.5	2	4	0.5
MUS2707	MUS2307	ARTS MUS		1	61	1	26	2	87	70	0.5	2	0	0
MUS2731	MUS2331	ARTS MUS		1	62	1	27	2	89	70	0.5	2	0	0
MUS2732	MUS2332	ARTS MUS		1	62	1	23	2	85	70	0.5	2	0	0
MUS2733	MUS2333	ARTS MUS		1	44	1	7	2	51	59	0.5	1	1	0.5
MUS2734	MUS2334	ARTS MUS		1	43	1	10	2	53	59	0.5	1	1	0.5
MUS3706	MUS3306	ARTS MUS		1	35	1	13	2	48	50	0.5	1	1	0.5
MUS3707	MUS3307	ARTS MUS		1	19	1	14	2	33	35	0.5	1	1	0.5
MUS3715	MUS3315	ARTS MUS		4	24	2	12	6	36	30	0.5	2	4	0.5
MUS3735	MUS3335	ARTS MUS		1	29	1	6	2	35	35	0.5	1	1	0.5
MUS4701	MUS4301	ARTS MUS		4	31	2	2	6	33	30	0.5	2	4	0.5
MUS6770	MUS6370	EESR MUS		2	11	1	2	3	13	30	0.5	1	2	0.5
NSG1510	NSG1110	SSAN SINF		1	142	1	77	2	219	155	0.5	2	0	0
NSG1520	NSG1120	SSAN SINF		1	142	1	76	2	218	153	0.5	2	0	0
NSG1525	NSG1125	SSAN SINF		1	145	1	77	2	222	153	0.5	2	0	0
NSG1535	NSG1135	SSAN SINF		1	142	1	75	2	217	153	0.5	2	0	0
NSG1715	NSG1315	SSAN SINF		14	143	7	77	21	220	153	0.5	2	19	0.5
NSG1716	NSG1316	SSAN SINF		1	142	1	75	2	217	153	0.5	2	0	0

NSG2525	NSG2125	SSAN SINF	1	112	1	48	2	160	125	0.5	2	0	0
NSG2526	NSG2126	SSAN SINF	1	110	1	44	2	154	125	0.5	2	0	0
NSG2535	NSG2135	SSAN SINF	1	112	1	48	2	160	125	0.5	2	0	0
NSG2536	NSG2136	SSAN SINF	1	110	1	44	2	154	125	0.5	2	0	0
NSG2701	NSG2301	SSAN SINF	1	113	1	48	2	161	125	0.5	2	0	0
NSG2702	NSG2302	SSAN SINF	1	111	1	44	2	155	125	0.5	2	0	0
NSG3503	NSG3103	SSAN SINF	1	90	1	39	2	129	100	0.5	2	0	0
NSG3525	NSG3125	SSAN SINF	1	88	1	32	2	120	91	0.5	2	0	0
NSG3526	NSG3126	SSAN SINF	1	88	1	32	2	120	91	0.5	2	0	0
NSG3531	NSG3131	SSAN SINF	1	88	1	32	2	120	91	0.5	2	0	0
NSG3532	NSG3132	SSAN SINF	1	87	1	32	2	119	91	0.5	2	0	0
NSG3535	NSG3135	SSAN SINF	2	89	1	32	3	121	91	0.5	2	1	0.5
NSG3536	NSG3136	SSAN SINF	1	88	1	31	2	119	95	0.5	2	0	0
NSG3537	NSG3137	SSAN SINF	1	89	1	32	2	121	95	0.5	2	0	0
NSG3540	NSG3140	SSAN SINF	1	88	1	32	2	120	90	1	2	0	0
NSG3545	NSG3145	SSAN SINF	1	88	1	32	2	120	95	0.5	2	0	0
NSG3552	NSG3152	SSAN SINF	1	88	1	32	2	120	91	0.5	2	0	0
NSG3553	NSG3153	SSAN SINF	1	88	1	32	2	120	95	0.5	2	0	0
NSG3702	NSG3302	SSAN SINF	5	247	1	88	6	335	240	0.5	2	4	0.5
NSG3720	NSG3320	SSAN SINF	1	88	1	32	2	120	95	0.5	2	0	0
NSG4515	NSG4115	SSAN SINF	2	173	2	50	4	223	90	0.5	3	1	0.5
NSG4530	NSG4130	SSAN SINF	1	87	1	26	2	113	87	0.5	2	0	0
NSG4540	NSG4140	SSAN SINF	1	86	1	25	2	111	86	0.5	2	0	0
NSG4545	NSG4145	SSAN SINF	1	86	1	25	2	111	86	1	2	0	0
NSG4590	NSG4190	SSAN SINF	2	19	2	8	4	27	30	0.5	1	3	0.5
NSG4635	NSG4235	SSAN SINF	2	87	2	26	4	113	90	1	2	2	1
NSG4691	NSG4291	SSAN SINF	1	11	1	2	2	13	30	1	1	1	1
NSG4692	NSG4292	SSAN SINF	1	10	1	2	2	12	30	1	1	1	1
NSG4790	NSG4390	SSAN SINF	2	13	2	4	4	17	30	0.5	1	3	0.5
NSG4845	NSG4445	SSAN SINF	2	84	1	25	3	109	90	1	2	1	1
NSG4891	NSG4491	SSAN SINF	1	7	1	1	2	8	30	1	1	1	1
NSG4892	NSG4492	SSAN SINF	1	5	1	1	2	6	30	1	1	1	1
NSG4899	NSG4499	SSAN SINF	2	6	1	3	3	9	30	1	1	2	1
NSG5530	NSG5130	EESR SINF	2	21	1	5	3	26	30	0.5	1	2	0.5
NSG5540	NSG5140	EESR SINF	1	18	1	8	2	26	30	0.5	1	1	0.5
NSG5610	NSG5210	EESR SINF	2	20	4	4	6	24	30	1	1	5	1

NSG5620	NSG5220	EESR SINF	2	20	4	2	6	22	30	1	1	5	1
NSG6533	NSG6133	EESR SINF	6	30	1	0	7	30	30	0.5	1	6	0.5
NSG6560	NSG6160	EESR SINF	1	0	1	2	2	2	30	0.5	1	1	0.5
NSG6800	NSG6400	EESR SINF	3	12	4	6	7	18	30	0.5	1	6	0.5
NSG6891	NSG6491	EESR SINF	1	0	1	2	2	2	30	1	1	1	1
PAP2700	PAP2300	SSOC PAP	2	97	1	26	3	123	83	0.5	2	1	0.5
PAP2710	PAP2310	SSOC PAP	1	12	1	4	2	16	50	0.5	1	1	0.5
PAP3750	PAP3350	SSOC PAP	1	30	1	10	2	40	54	0.5	1	1	0.5
PAP3755	PAP3355	SSOC PAP	1	24	1	0	2	24	45	0.5	1	1	0.5
PAP4750	PAP4350	SSOC PAP	1	29	2	12	3	41	45	0.5	1	2	0.5
PAP4755	PAP4355	SSOC PAP	1	32	1	17	2	49	45	0.5	2	0	0
PHA3512	PHA3112	MED PHA	5	215	1	53	6	268	240	0.5	2	4	0.5
PHI1501	PHI1101	ARTS PHI	16	2604	6	995	22	3599	210	0.5	18	4	0.5
PHI1502	PHI1102	ARTS PHI	7	613	4	243	11	856	200	0.5	5	6	0.5
PHI1503	PHI1103	ARTS PHI	5	562	3	250	8	812	151	0.5	6	2	0.5
PHI1504	PHI1104	ARTS PHI	5	653	2	136	7	789	152	0.5	6	1	0.5
PHI1770	PHI1370	ARTS PHI	1	178	1	71	2	249	220	0.5	2	0	0
PHI2570	PHI2170	ARTS PHI	1	70	2	18	3	88	90	0.5	1	2	0.5
PHI2574	PHI2174	ARTS PHI	1	77	1	27	2	104	90	0.5	2	0	0
PHI2583	PHI2183	ARTS PHI	1	85	1	21	2	106	91	0.5	2	0	0
PHI2780	PHI2380	ARTS PHI	1	64	1	24	2	88	68	0.5	2	0	0
PHI2782	PHI2382	ARTS PHI	2	73	1	17	3	90	84	0.5	2	1	0.5
PHI2783	PHI2383	ARTS PHI	1	62	1	19	2	81	68	0.5	2	0	0
PHI2786	PHI2386	ARTS PHI	1	55	1	20	2	75	70	0.5	2	0	0
PHI2789	PHI2389	ARTS PHI	1	44	1	31	2	75	70	0.5	2	0	0
PHI2794	PHI2394	ARTS PHI	1	101	1	48	2	149	132	0.5	2	0	0
PHI2796	PHI2396	ARTS PHI	1	177	1	50	2	227	209	0.5	2	0	0
PHI2797	PHI2397	ARTS PHI	1	65	1	24	2	89	72	0.5	2	0	0
PHI2798	PHI2398	ARTS PHI	1	53	1	51	2	104	68	0.5	2	0	0
PHI3525	PHI3125	PHILOPHI	1	110	1	63	2	173	125	0.5	2	0	0
PHI3574	PHI3174	ARTS PHI	1	52	1	14	2	66	55	0.5	2	0	0
PHI3777	PHI3377	ARTS PHI	1	35	1	12	2	47	44	0.5	2	0	0
PHI3778	PHI3378	ARTS PHI	1	49	1	16	2	65	51	0.5	2	0	0
PHI3793	PHI3393	ARTS PHI	1	20	1	0	2	20	45	0.5	1	1	0.5
PHI4520	PHI4120	THEO PHI	2	5	1	0	3	5	30	0.5	1	2	0.5
PHI4784	PHI4384	ARTS PHI	1	2	1	1	2	3	30	0.5	1	1	0.5

PHI4785	PHI4385	ARTS PHI	1	5	1	0	2	5	30	0.5	1	1	0.5
PHI5733	PHI5333	EESR PHI	1	0	1	2	2	2	30	0.5	1	1	0.5
PHI5746	PHI5346	EESR PHI	1	11	1	0	2	11	30	0.5	1	1	0.5
PHI5754	PHI5354	EESR PHI	1	0	1	0	2	0	30	0.5	0	2	0.5
PHI5759	PHI5359	EESR PHI	1	10	1	0	2	10	30	0.5	1	1	0.5
PHI5760	PHI5360	EESR PHI	1	0	1	1	2	1	30	0.5	1	1	0.5
PHI6501	PHI6101	EESR PHI	1	0	1	5	2	5	30	0.5	1	1	0.5
PHS4700	PHS4300	SSAN SINF	1	166	1	52	2	218	205	0.5	2	0	0
PHY1501	PHY1101	SCIENPHY	1	133	1	71	2	204	156	0.5	2	0	0
PHY1502	PHY1102	SCIENPHY	2	338	1	133	3	471	244	0.5	2	1	0.5
PHY1504	PHY1104	SCIENPHY	1	245	1	60	2	305	298	0.5	2	0	0
PHY1601	PHY1201	SCIENPHY	35	610	12	196	47	806	23	0.5	36	11	0.5
PHY1701	PHY1301	SCIENPHY	3	592	2	198	5	790	405	0.5	2	3	0.5
PHY1702	PHY1302	SCIENPHY	2	522	1	181	3	703	376	0.5	2	1	0.5
PHY1704	PHY1304	SCIENPHY	27	498	7	127	34	625	30	0.5	21	13	0.5
PHY2500	PHY2100	SCIENPHYS	1	29	1	8	2	37	40	0.5	1	1	0.5
PHY2710	PHY2310	SCIENPHY	1	48	1	16	2	64	65	0.5	1	1	0.5
PHY2723	PHY2323	SCIENPHY	1	194	1	43	2	237	230	0.5	2	0	0
PHY2730	PHY2330	SCIENPHY	1	27	1	18	2	45	40	0.5	2	0	0
PHY2737	PHY2337	SCIENPHY	1	17	1	13	2	30	34	0.5	1	1	0.5
PHY2761	PHY2361	SCIENPHY	1	25	1	18	2	43	40	0.5	2	0	0
POL1501	POL1101	SSOC POL	5	631	2	232	7	863	244	0.5	4	3	0.5
POL1502	POL1102	SSOC POL	2	399	2	194	4	593	219	0.5	3	1	0.5
POL1503	POL1103	SSOC POL	2	324	1	99	3	423	200	0.5	3	0	0
POL2556	POL2156	SSOC POL	1	195	1	77	2	272	217	0.5	2	0	0
POL2601	POL2201	SSOC POL	4	441	4	197	8	638	183	1	4	4	1
POL2603	POL2203	SSOC POL	4	398	5	254	9	652	200	1	4	5	1
POL2607	POL2207	SSOC POL	4	520	2	144	6	664	174	1	4	2	1
POL3515	POL3115	SSOC POL	2	37	1	30	3	67	75	0.5	1	2	0.5
POL3555	POL3155	SSOC POL	1	48	1	20	2	68	55	0.5	2	0	0
POL3556	POL3156	SSOC POL	1	56	1	38	2	94	63	0.5	2	0	0
POL3602	POL3202	SSOC POL	2	92	3	62	5	154	55	1	3	2	1
PSY1501	PSY1101	SSOC PSY	13	2124	6	957	19	3081	255	0.5	13	6	0.5
PSY1502	PSY1102	SSOC PSY	11	1903	5	830	16	2733	255	0.5	11	5	0.5
PSY2502	PSY2102	SSOC PSY	22	241	11	115	33	356	45	0.5	8	25	0.5
PSY2505	PSY2105	SSOC PSY	8	742	4	279	12	1021	112	0.5	10	2	0.5

PSY2506	PSY2106	SSOC PSY	10	323	4	166	14	489	57	0.5	9	5	0.5
PSY2510	PSY2110	SSOC PSY	7	565	3	213	10	778	111	0.5	8	2	0.5
PSY2514	PSY2114	SSOC PSY	1	245	1	121	2	366	255	0.5	2	0	0
PSY2516	PSY2116	SSOC PSY	3	130	3	57	6	187	59	0.5	4	2	0.5
PSY2574	PSY2174	SSOC PSY	7	298	4	169	11	467	62	0.5	8	3	0.5
PSY2701	PSY2301	SSOC PSY	3	192	2	100	5	292	90	0.5	4	1	0.5
PSY2703	PSY2303	SSOC PSY	7	511	6	238	13	749	111	0.5	7	6	0.5
PSY2709	PSY2309	SSOC PSY	1	19	1	10	2	29	45	0.5	1	1	0.5
PSY3501	PSY3101	SSOC PSY	2	212	3	48	5	260	114	0.5	3	2	0.5
PSY3502	PSY3102	SSOC PSY	2	199	1	62	3	261	110	0.5	3	0	0
PSY3505	PSY3105	SSOC PSY	2	211	1	79	3	290	112	0.5	3	0	0
PSY3508	PSY3108	SSOC PSY	8	76	3	41	11	117	50	0.5	3	8	0.5
PSY3509	PSY3109	SSOC PSY	1	103	1	62	2	165	111	0.5	2	0	0
PSY3521	PSY3121	SSOC PSY	4	166	1	58	5	224	110	0.5	3	2	0.5
PSY3522	PSY3122	SSOC PSY	3	321	3	199	6	520	118	0.5	5	1	0.5
PSY3523	PSY3123	SSOC PSY	2	206	1	106	3	312	110	0.5	3	0	0
PSY3524	PSY3124	SSOC PSY	2	137	1	35	3	172	110	0.5	2	1	0.5
PSY3526	PSY3126	SSOC PSY	1	82	1	42	2	124	90	0.5	2	0	0
PSY3528	PSY3128	SSOC PSY	1	70	1	53	2	123	85	0.5	2	0	0
PSY3540	PSY3140	SSOC PSY	6	73	6	45	12	118	43	0.5	3	9	0.5
PSY3542	PSY3142	SSOC PSY	1	32	1	21	2	53	85	0.5	1	1	0.5
PSY3571	PSY3171	SSOC PSY	2	140	1	81	3	221	85	0.5	3	0	0
PSY3572	PSY3172	SSOC PSY	4	58	3	35	7	93	85	0.5	2	5	0.5
PSY3701	PSY3301	SSOC PSY	1	84	1	51	2	135	88	0.5	2	0	0
PSY3705	PSY3305	SSOC PSY	2	187	3	35	5	222	112	0.5	2	3	0.5
PSY3707	PSY3307	SSOC PSY	2	82	1	35	3	117	56	0.5	3	0	0
PSY3777	PSY3377	SSOC PSY	1	30	1	34	2	64	45	0.5	2	0	0
PSY4510	PSY4110	SSOC PSY	4	5	4	6	8	11	30	0.5	1	7	0.5
PSY4530	PSY4130	SSOC PSY	1	86	1	36	2	122	87	0.5	2	0	0
PSY4534	PSY4134	SSOC PSY	1	27	1	12	2	39	75	0.5	1	1	0.5
PSY4676	PSY4276	SSOC PSY	2	86	2	41	4	127	66	1	2	2	1
PSY4710	PSY4310	SSOC PSY	3	2	2	1	5	3	30	0.5	1	4	0.5
PSY4772	PSY4372	SSOC PSY	1	31	1	12	2	43	55	0.5	1	1	0.5
PSY5502	PSY5102	EESR PSY	1	6	1	8	2	14	30	0.5	1	1	0.5
PSY5520	PSY5120	EESR PSY	1	14	1	5	2	19	30	0.5	1	1	0.5
PSY5521	PSY5121	EESR PSY	1	18	1	4	2	22	30	0.5	1	1	0.5

SCS1550	SCS1150	SSOC SCS	2	159	1	62	3	221	173	0.5	2	1	0.5
SCS1560	SCS1160	SSOC SCS	2	147	1	30	3	177	124	0.5	2	1	0.5
SEG2500	SEG2100	GENIE CSIG	10	146	4	26	14	172	82	1	3	11	1
SEG2501	SEG2101	GENIE CSIG	10	140	4	30	14	170	78	1	3	11	1
SEG3500	SEG3100	GENIE CSIG	4	68	3	20	7	88	69	1	2	5	1
SEG3510	SEG3110	GENIE CSIG	7	59	2	10	9	69	95	1	1	8	1
SEG3520	SEG3120	GENIE CSIG	8	145	3	19	11	164	95	1	2	9	1
SEG3550	SEG3150	GENIE CSIG	7	63	3	7	10	70	80	1	1	9	1
SEG3700	SEG3300	GENIE CSIG	3	136	2	18	5	154	70	0.5	3	2	0.5
SEG3710	SEG3310	GENIE CSIG	8	127	6	21	14	148	90	0.5	2	12	0.5
SEG4511	SEG4111	GENIE CSIG	1	47	1	15	2	62	60	1	2	0	0
SOC1501	SOC1101	SSOC SOC	6	1072	6	453	12	1525	297	0.5	6	6	0.5
SOC1502	SOC1102	SSOC SOC	6	678	5	223	11	901	244	0.5	4	7	0.5
SOC2503	SOC2103	SSOC SOC	4	82	1	55	5	137	99	0.5	2	3	0.5
SOC2504	SOC2104	SSOC SOC	1	146	1	53	2	199	156	0.5	2	0	0
SOC2506	SOC2106	SSOC SOC	1	154	2	46	3	200	175	0.5	2	1	0.5
SOC2551	SOC2151	SSOC SOC	3	56	1	65	4	121	99	0.5	2	2	0.5
SOC2700	SOC2300	SSOC SOC	4	244	1	82	5	326	198	0.5	2	3	0.5
SOC2701	SOC2301	SSOC SOC	5	142	3	50	8	192	40	0.5	5	3	0.5
SOC2704	SOC2304	SSOC SOC	1	147	1	51	2	198	182	0.5	2	0	0
SOC2705	SOC2305	SSOC SOC	1	143	2	74	3	217	172	0.5	2	1	0.5
SOC2709	SOC2309	SSOC SOC	1	82	1	0	2	82	99	0.5	1	1	0.5
SOC3506	SOC3106	SSOC SOC	1	102	1	61	2	163	121	0.5	2	0	0
SOC3514	SOC3114	SSOC SOC	1	58	1	7	2	65	68	0.5	1	1	0.5
SOC3538	SOC3138	SSOC SOC	1	41	1	28	2	69	50	0.5	2	0	0
SOC3541	SOC3141	SSOC SOC	2	54	1	39	3	93	52	0.5	2	1	0.5
SOC3542	SOC3142	SSOC SOC	1	40	1	22	2	62	51	0.5	2	0	0
SOC3712	SOC3312	SSOC SOC	2	153	1	65	3	218	150	0.5	2	1	0.5
SOC4710	SOC4310	SSOC SOC	1	39	1	28	2	67	50	0.5	2	0	0
SRS1510	SRS1110	ARTS SRS	3	728	1	150	4	878	419	0.5	3	1	0.5
SRS2512	SRS2112	ARTS SRS	1	176	1	41	2	217	200	0.5	2	0	0
SRS2513	SRS2113	ARTS SRS	1	134	3	40	4	174	155	0.5	2	2	0.5
SRS3540	SRS3140	ARTS SRS	1	71	1	16	2	87	77	0.5	2	0	0
SRS4507	SRS4107	ARTS SRS	1	10	1	8	2	18	30	0.5	1	1	0.5
SYS5590	SYS5190	EESR SYS	3	19	3	0	6	19	30	0.5	1	5	0.5
THE1601	THE1201	ARTS THE	4	227	2	58	6	285	90	1	4	2	1

THE2500	THE2100	ARTS	THE	2	103	1	15	3	118	65	0.5	2	1	0.5
THE2511	THE2111	ARTS	THE	3	57	2	28	5	85	30	0.5	3	2	0.5
THE2512	THE2112	ARTS	THE	2	25	2	12	4	37	30	0.5	2	2	0.5
THE2544	THE2144	ARTS	THE	1	58	1	22	2	80	60	0.5	2	0	0
THE2546	THE2146	ARTS	THE	1	45	1	19	2	64	65	0.5	1	1	0.5
THE2550	THE2150	ARTS	THE	2	54	1	25	3	79	31	0.5	3	0	0
THE2552	THE2152	ARTS	THE	2	45	1	19	3	64	30	0.5	3	0	0
THE3521	THE3121	ARTS	THE	3	20	3	12	6	32	30	0.5	2	4	0.5
THE3522	THE3122	ARTS	THE	1	14	1	16	2	30	40	0.5	1	1	0.5
THE3580	THE3180	ARTS	THE	1	12	1	13	2	25	30	0.5	1	1	0.5
THE3611	THE3211	ARTS	THE	2	11	2	22	4	33	11	1	3	1	1
THE3741	THE3341	ARTS	THE	1	31	1	16	2	47	50	0.5	1	1	0.5
THE3742	THE3342	ARTS	THE	1	24	1	28	2	52	45	0.5	2	0	0
THE4520	THE4120	ARTS	THE	2	0	2	2	4	2	30	0.5	1	3	0.5

Appendix D: Detailed results for non-parallel courses

Legend:

ACTIVITY	Course
ACTPORG	Activity primary organisation (Faculty)
ACTSORG	Activity secondary organisation (Department)
WEIGHT	Half course or full course
SECTIONS	Number of sections
REGISTRATIONS	Number of registrants
REG/SECTIONS	Registrants per section
UNIVERSITY AVG	University average section size for this level of course
NON PAR SUPP	Non parallel supplementary full course equivalents

A	A	A	W	S	R	R	U	N
C	C	C	E	E	E	E	N	O
T	T	T	I	C	G	G	I	N
I	P	S	G	T	I	/	V	
V	O	O	H	I	S	S	E	P
I	R	R	T	O	T	E	R	A
T	G	G		N	R	C	S	R
Y				S	A	T	I	
					T	I	T	S
					I	O	Y	U
					O	N		P
					N		A	P
					S		V	
							G	
ERG1511	SSAN	READA	0.5	1	42	42	65	0.5
ERG1531	SSAN	READA	0.5	1	41	41	65	0.5
ERG1601	SSAN	READA	0.5	2	84	42	65	0.5
ERG2090	SSAN	READA	0.5	2	64	32	45	0.5
ERG2098	SSAN	READA	1	1	33	33	45	1
ERG2511	SSAN	READA	0.5	1	36	36	45	0.5
ERG2532	SSAN	READA	0.5	1	32	32	45	0.5
ERG2541	SSAN	READA	0.5	1	35	35	45	0.5
ERG2651	SSAN	READA	1	1	33	33	45	1
ERG3098	SSAN	READA	1	1	33	33	30	0
ERG3531	SSAN	READA	1	1	33	33	30	0
ERG3532	SSAN	READA	0.5	1	33	33	30	0
ERG3541	SSAN	READA	0.5	1	33	33	30	0
ERG3611	SSAN	READA	1	1	32	32	30	0
ERG3631	SSAN	READA	1	1	33	33	30	0
ERG4098	SSAN	READA	1	1	21	21	21	0
ERG4099	SSAN	READA	1	1	21	21	21	0
ERG4502	SSAN	READA	0.5	1	9	9	21	0.5
ERG4503	SSAN	READA	0.5	1	4	4	21	0.5

ERG4641	SSAN	READA	1	2	42	21	21	0
ERG4701	SSAN	READA	0.5	4	61	16	21	0.5
ERG4702	SSAN	READA	0.5	1	10	10	21	0.5
ERG4703	SSAN	READA	0.5	1	15	15	21	0.5
ERG4706	SSAN	READA	0.5	1	6	6	21	0.5
ERG4707	SSAN	READA	0.5	1	30	30	21	0
ERG4715	SSAN	READA	0.5	1	1	1	21	0.5
ERG4912	SSAN	READA	0.5	1	22	22	21	0
ORA5510	EESR	ORA	0.5	1	21	21	14	0
ORA5511	EESR	ORA	0.5	1	21	21	14	0
ORA5512	EESR	ORA	0.5	1	21	21	14	0
ORA5518	EESR	ORA	0.5	1	21	21	14	0
ORA5519	EESR	ORA	0.5	1	21	21	14	0
ORA5520	EESR	ORA	0.5	1	1	1	14	0.5
ORA5521	EESR	ORA	0.5	1	8	8	14	0.5
ORA5529	EESR	ORA	0.5	2	37	19	14	0
ORA5540	EESR	ORA	0.5	1	25	25	14	0
ORA5548	EESR	ORA	0.5	1	17	17	14	0
ORA5549	EESR	ORA	0.5	2	25	13	14	0.5
ORA5550	EESR	ORA	0.5	1	26	26	14	0
ORA5559	EESR	ORA	0.5	2	26	13	14	0.5
ORA5640	EESR	ORA	1	28	114	5	14	1
ORA5660	EESR	ORA	0.5	2	21	11	14	0.5
ORA6510	EESR	ORA	0.5	1	7	7	11	0.5
ORA6511	EESR	ORA	0.5	1	6	6	11	0.5
ORA6520	EESR	ORA	0.5	1	7	7	11	0.5
ORA6521	EESR	ORA	0.5	1	6	6	11	0.5
ORA6522	EESR	ORA	0.5	1	6	6	11	0.5
ORA6540	EESR	ORA	0.5	1	8	8	11	0.5
ORA6541	EESR	ORA	0.5	1	6	6	11	0.5
ORA6542	EESR	ORA	0.5	1	8	8	11	0.5
ORA6543	EESR	ORA	0.5	2	13	7	11	0.5
ORA6550	EESR	ORA	0.5	1	8	8	11	0.5
ORA6551	EESR	ORA	0.5	1	8	8	11	0.5
ORA6710	EESR	ORA	0.5	1	14	14	11	0
ORA6711	EESR	ORA	0.5	1	14	14	11	0
ORA6720	EESR	ORA	0.5	1	14	14	11	0
ORA6721	EESR	ORA	0.5	1	14	14	11	0
ORA6722	EESR	ORA	0.5	1	14	14	11	0
ORA6740	EESR	ORA	0.5	1	17	17	11	0
ORA6741	EESR	ORA	0.5	1	17	17	11	0
ORA6742	EESR	ORA	0.5	1	17	17	11	0
ORA6743	EESR	ORA	0.5	1	14	14	11	0
ORA6750	EESR	ORA	0.5	1	17	17	11	0
ORA6751	EESR	ORA	0.5	1	17	17	11	0
PDP1510	EDU	EDUF	0.5	1	9	9	65	0.5
PDP1511	EDU	EDUF	0.5	1	15	15	65	0.5
PDP1512	EDU	EDUF	0.5	1	15	15	65	0.5
PDP1515	EDU	EDUF	0.5	1	35	35	65	0.5

PDP1517	EDU	EDUF	0.5	3	25	9	65	0.5
PDP1518	EDU	EDUF	0.5	1	16	16	65	0.5
PDP1519	EDU	EDUF	0.5	2	23	12	65	0.5
PDP1529	EDU	EDUF	0.5	1	6	6	65	0.5
PDP1550	EDU	EDUF	0.5	1	7	7	65	0.5
PDP1552	EDU	EDUF	0.5	1	7	7	65	0.5
PDP1560	EDU	EDUF	0.5	1	11	11	65	0.5
PDP1561	EDU	EDUF	0.5	1	11	11	65	0.5
PDP1603	EDU	EDUF	1	2	30	15	65	1
PDP1620	EDU	EDUF	1	4	111	28	65	1
PDP1660	EDU	EDUF	1	4	75	19	65	1
PDP1733	EDU	EDUF	0.5	1	10	10	65	0.5
PDP1740	EDU	EDUF	0.5	1	9	9	65	0.5
PDP1741	EDU	EDUF	0.5	1	9	9	65	0.5
PDP1742	EDU	EDUF	0.5	1	9	9	65	0.5
PDP1743	EDU	EDUF	0.5	1	10	10	65	0.5
PDP1745	EDU	EDUF	0.5	1	10	10	65	0.5
PDP1746	EDU	EDUF	0.5	1	5	5	65	0.5
PDP1747	EDU	EDUF	0.5	1	5	5	65	0.5
PDP1750	EDU	EDUF	0.5	1	10	10	65	0.5
PDP1759	EDU	EDUF	0.5	1	10	10	65	0.5
PDP1760	EDU	EDUF	0.5	1	3	3	65	0.5
PDP1772	EDU	EDUF	0.5	1	10	10	65	0.5
PDP1775	EDU	EDUF	0.5	1	6	6	65	0.5
PDP1777	EDU	EDUF	0.5	1	6	6	65	0.5
PDP1785	EDU	EDUF	0.5	1	9	9	65	0.5
PDP1787	EDU	EDUF	0.5	1	9	9	65	0.5
PDP1803	EDU	EDUF	1	1	10	10	65	1
PDP1860	EDU	EDUF	1	1	3	3	65	1
PDP2511	EDU	EDUF	0.5	1	14	14	45	0.5
PDP2512	EDU	EDUF	0.5	1	14	14	45	0.5
PDP2519	EDU	EDUF	0.5	1	10	10	45	0.5
PDP2523	EDU	EDUF	0.5	1	9	9	45	0.5
PDP2524	EDU	EDUF	0.5	1	4	4	45	0.5
PDP2525	EDU	EDUF	0.5	1	7	7	45	0.5
PDP2526	EDU	EDUF	0.5	1	7	7	45	0.5
PDP2550	EDU	EDUF	0.5	1	5	5	45	0.5
PDP2552	EDU	EDUF	0.5	1	5	5	45	0.5
PDP2580	EDU	EDUF	0.5	1	3	3	45	0.5
PDP2586	EDU	EDUF	0.5	2	28	14	45	0.5
PDP2587	EDU	EDUF	0.5	2	28	14	45	0.5
PDP2620	EDU	EDUF	1	4	65	17	45	1
PDP2711	EDU	EDUF	0.5	1	9	9	45	0.5
PDP2712	EDU	EDUF	0.5	1	9	9	45	0.5
PDP2733	EDU	EDUF	0.5	1	16	16	45	0.5
PDP2734	EDU	EDUF	0.5	1	16	16	45	0.5
PDP2735	EDU	EDUF	0.5	1	16	16	45	0.5
PDP2736	EDU	EDUF	0.5	1	16	16	45	0.5
PDP2775	EDU	EDUF	0.5	1	14	14	45	0.5

PDP2777	EDU	EDUF	0.5	1	14	14	45	0.5
PDP3513	EDU	EDUF	1	3	42	14	30	1
PDP3515	EDU	EDUF	0.5	2	39	20	30	0.5
PDP3550	EDU	EDUF	0.5	2	10	5	30	0.5
PDP3552	EDU	EDUF	0.5	2	10	5	30	0.5
PDP3586	EDU	EDUF	0.5	1	26	26	30	0.5
PDP3587	EDU	EDUF	0.5	1	26	26	30	0.5
PDP3707	EDU	EDUF	0.5	1	3	3	30	0.5
PDP3708	EDU	EDUF	0.5	3	41	14	30	0.5
PDP3734	EDU	EDUF	0.5	3	24	8	30	0.5
PDP3735	EDU	EDUF	0.5	3	24	8	30	0.5
PDP3748	EDU	EDUF	0.5	1	3	3	30	0.5
PDP3749	EDU	EDUF	0.5	1	3	3	30	0.5
PDP3775	EDU	EDUF	0.5	1	16	16	30	0.5
PDP3777	EDU	EDUF	0.5	1	16	16	30	0.5
PDP4500	EDU	EDUF	0.5	1	7	7	21	0.5
PDP4510	EDU	EDUF	1	1	12	12	21	1
PDP4641	EDU	EDUF	1	1	2	2	21	1
PDP4652	EDU	EDUF	1	1	5	5	21	1
PDP4707	EDU	EDUF	0.5	1	3	3	21	0.5
PDP4708	EDU	EDUF	0.5	1	9	9	21	0.5
PDP4750	EDU	EDUF	0.5	1	8	8	21	0.5
PDP4751	EDU	EDUF	0.5	1	8	8	21	0.5
PDP4752	EDU	EDUF	0.5	1	8	8	21	0.5
PED1500	EDU	EDUF	0.5	4	300	75	65	0
PED1599	EDU	EDUF	0.5	18	492	28	65	0.5
PED1607	EDU	EDUF	0.5	1	17	17	65	0.5
PED1608	EDU	EDUF	0.5	1	17	17	65	0.5
PED1609	EDU	EDUF	0.5	1	9	9	65	0.5
PED1751	EDU	EDUF	0.5	1	4	4	65	0.5
PED1752	EDU	EDUF	0.5	1	4	4	65	0.5
PED1753	EDU	EDUF	0.5	1	9	9	65	0.5
PED1754	EDU	EDUF	0.5	1	9	9	65	0.5
PED1757	EDU	EDUF	0.5	1	4	4	65	0.5
PED1758	EDU	EDUF	0.5	1	4	4	65	0.5
PED1788	EDU	EDUF	0.5	1	17	17	65	0.5
PED2500	EDU	EDUF	0.5	4	299	75	45	0
PED2507	EDU	EDUF	0.5	1	34	34	45	0.5
PED2508	EDU	EDUF	0.5	2	57	29	45	0.5
PED2727	EDU	EDUF	0.5	1	6	6	45	0.5
PED2728	EDU	EDUF	0.5	1	15	15	45	0.5
PED2788	EDU	EDUF	0.5	1	17	17	45	0.5
PED2789	EDU	EDUF	0.5	1	7	7	45	0.5
PED3500	EDU	EDUF	0.5	1	1	1	30	0.5
PED3501	EDU	EDUF	0.5	1	14	14	30	0.5
PED3502	EDU	EDUF	0.5	1	11	11	30	0.5
PED3508	EDU	EDUF	0.5	1	14	14	30	0.5
PED3512	EDU	EDUF	0.5	1	11	11	30	0.5
PED3514	EDU	EDUF	0.5	2	134	67	30	0

PED3517	EDU	EDUF	0.5	9	300	34	30	0
PED3518	EDU	EDUF	0.5	9	300	34	30	0
PED3519	EDU	EDUF	0.5	7	423	61	30	0
PED3521	EDU	EDUF	0.5	1	1	1	30	0.5
PED3523	EDU	EDUF	0.5	1	2	2	30	0.5
PED3526	EDU	EDUF	0.5	1	18	18	30	0.5
PED3527	EDU	EDUF	0.5	1	7	7	30	0.5
PED3613	EDU	EDUF	0.5	1	4	4	30	0.5
PED3702	EDU	EDUF	0.5	7	221	32	30	0
PED3703	EDU	EDUF	0.5	2	86	43	30	0
PED3704	EDU	EDUF	0.5	1	37	37	30	0
PED3712	EDU	EDUF	0.5	1	11	11	30	0.5
PED3713	EDU	EDUF	0.5	1	9	9	30	0.5
PED3714	EDU	EDUF	0.5	1	14	14	30	0.5
PED3717	EDU	EDUF	0.5	3	122	41	30	0
PED3718	EDU	EDUF	0.5	3	121	41	30	0
PED3719	EDU	EDUF	0.5	3	123	41	30	0
PED3720	EDU	EDUF	0.5	1	32	32	30	0
PED3722	EDU	EDUF	0.5	1	12	12	30	0.5
PED3723	EDU	EDUF	0.5	1	27	27	30	0.5
PED3724	EDU	EDUF	0.5	4	77	20	30	0.5
PED3725	EDU	EDUF	0.5	1	8	8	30	0.5
PED3727	EDU	EDUF	0.5	1	20	20	30	0.5
PED3728	EDU	EDUF	0.5	5	63	13	30	0.5
PED3729	EDU	EDUF	0.5	3	118	40	30	0
PED3733	EDU	EDUF	0.5	1	9	9	30	0.5
PED3754	EDU	EDUF	0.5	10	304	31	30	0
PED3755	EDU	EDUF	0.5	10	308	31	30	0
PED3756	EDU	EDUF	0.5	11	331	31	30	0
PED3757	EDU	EDUF	0.5	9	288	32	30	0
PED3758	EDU	EDUF	0.5	10	304	31	30	0
PED3788	EDU	EDUF	0.5	1	29	29	30	0.5
PED3789	EDU	EDUF	0.5	1	7	7	30	0.5
PED4501	EDU	EDUF	0.5	1	9	9	21	0.5
PED4502	EDU	EDUF	0.5	1	11	11	21	0.5
PED4508	EDU	EDUF	0.5	1	9	9	21	0.5
PED4514	EDU	EDUF	0.5	2	134	67	21	0
PED4521	EDU	EDUF	0.5	1	1	1	21	0.5
PED4523	EDU	EDUF	0.5	1	1	1	21	0.5
PED4526	EDU	EDUF	0.5	1	10	10	21	0.5
PED4527	EDU	EDUF	0.5	1	4	4	21	0.5
PED4716	EDU	EDUF	0.5	1	27	27	21	0
PED4717	EDU	EDUF	0.5	1	25	25	21	0
PED4719	EDU	EDUF	0.5	1	21	21	21	0
PED4720	EDU	EDUF	0.5	1	16	16	21	0.5
PED4722	EDU	EDUF	0.5	1	6	6	21	0.5
PED4723	EDU	EDUF	0.5	1	17	17	21	0.5
PED4724	EDU	EDUF	0.5	2	55	28	21	0
PED4725	EDU	EDUF	0.5	1	4	4	21	0.5

PED4727	EDU	EDUF	0.5	1	19	19	21	0.5
PED4733	EDU	EDUF	0.5	1	5	5	21	0.5
PED4760	EDU	EDUF	0.5	9	298	34	21	0
PED4761	EDU	EDUF	0.5	1	9	9	21	0.5
PED4765	EDU	EDUF	0.5	1	23	23	21	0
PED4767	EDU	EDUF	0.5	1	35	35	21	0
PED4768	EDU	EDUF	0.5	2	22	11	21	0.5
PED4788	EDU	EDUF	0.5	1	29	29	21	0
PHT1007	SSAN	READA	0.5	2	118	59	65	0.5
PHT1503	SSAN	READA	0.5	1	66	66	65	0
PHT1504	SSAN	READA	0.5	1	66	66	65	0
PHT1505	SSAN	READA	0.5	1	67	67	65	0
PHT1506	SSAN	READA	0.5	1	66	66	65	0
PHT1507	SSAN	READA	0.5	1	58	58	65	0.5
PHT2017	SSAN	READA	1	1	57	57	45	0
PHT2511	SSAN	READA	0.5	1	61	61	45	0
PHT2512	SSAN	READA	0.5	1	61	61	45	0
PHT2515	SSAN	READA	0.5	1	61	61	45	0
PHT2516	SSAN	READA	0.5	1	62	62	45	0
PHT2551	SSAN	READA	0.5	1	61	61	45	0
PHT2552	SSAN	READA	0.5	1	59	59	45	0
PHT3032	SSAN	READA	1	1	51	51	30	0
PHT3033	SSAN	READA	1	1	50	50	30	0
PHT3523	SSAN	READA	0.5	1	51	51	30	0
PHT3524	SSAN	READA	0.5	1	50	50	30	0
PHT3525	SSAN	READA	0.5	1	51	51	30	0
PHT3526	SSAN	READA	1	1	51	51	30	0
PHT3527	SSAN	READA	0.5	1	49	49	30	0
PHT3534	SSAN	PHT	0.5	1	50	50	30	0
PHT4045	SSAN	READA	1	1	47	47	21	0
PHT4046	SSAN	READA	1	1	47	47	21	0
PHT4535	SSAN	READA	0.5	1	47	47	21	0
PHT4537	SSAN	READA	0.5	1	21	21	21	0
PHT4538	SSAN	READA	0.5	1	47	47	21	0
PHT4539	SSAN	READA	0.5	1	47	47	21	0
PHT4540	SSAN	READA	0.5	1	47	47	21	0
PHT4541	SSAN	READA	0.5	1	43	43	21	0
PHT4544	SSAN	PHT	0.5	1	47	47	21	0
PHT4547	SSAN	PHT	0.5	1	47	47	21	0
PHT4548	SSAN	READA	0.5	2	28	14	21	0.5
REA1501	SSAN	READA	0.5	1	98	98	65	0
REA2511	SSAN	READA	0.5	1	92	92	45	0
REA2531	SSAN	READA	0.5	1	92	92	45	0
REA3519	SSAN	READA	0.5	1	51	51	30	0
SVS2500	SSOC	SVS	0.5	1	30	30	45	0.5
SVS3530	SSOC	SVS	0.5	1	45	45	30	0
SVS3540	SSOC	SVS	0.5	1	20	20	30	0.5
SVS3560	SSOC	SVS	0.5	1	41	41	30	0
SVS5500	EESR	SVS	0.5	1	16	16	14	0

SVS5510	EESR	SVS	0.5	1	18	18	14	0
SVS5530	EESR	SVS	0.5	1	15	15	14	0
SVS5531	EESR	SVS	0.5	1	14	14	14	0
SVS5533	EESR	SVS	0.5	1	7	7	14	0.5
SVS5534	EESR	SVS	0.5	1	9	9	14	0.5
SVS5535	EESR	SVS	0.5	1	3	3	14	0.5
SVS5601	EESR	SVS	1	1	14	14	14	0
SVS5709	EESR	SVS	0.5	1	14	14	14	0
SVS5710	EESR	SVS	0.5	2	14	7	14	0.5
SVS5715	EESR	SVS	0.5	1	9	9	14	0.5
SVS6500	EESR	SVS	0.5	1	10	10	11	0.5
SVS6502	EESR	SVS	0.5	1	10	10	11	0.5
SVS6503	EESR	SVS	0.5	1	13	13	11	0
SVS6504	EESR	SVS	0.5	1	5	5	11	0.5
SVS6510	EESR	SVS	0.5	1	9	9	11	0.5
SVS6540	EESR	SVS	0.5	1	10	10	11	0.5
SVS6600	EESR	SVS	1	1	10	10	11	1
SVS6620	EESR	SVS	1	3	18	6	11	1
SVS6700	EESR	SVS	0.5	1	14	14	11	0
SVS6701	EESR	SVS	0.5	1	5	5	11	0.5
SVS6704	EESR	SVS	0.5	1	13	13	11	0
SVS6710	EESR	SVS	0.5	1	12	12	11	0
SVS6730	EESR	SVS	0.5	1	5	5	11	0.5
SVS6740	EESR	SVS	0.5	1	12	12	11	0
SVS6800	EESR	SVS	1	1	12	12	11	0
SVS6820	EESR	SVS	1	3	17	6	11	1