

RESEARCH BRIEF

No. 26-15

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Allocation of Teaching Faculty Positions: 2014-15

Explanatory Notes for Tables 1 through 7

Table 1 demonstrates how faculty positions are allocated to all the campuses. The model takes into account campus size, campus growth, the proportion of part-time faculty at the campus, programmatic mix, and the current vacancy ratio. Based on these factors, full-time faculty positions are allocated to the campuses. Table footnotes provide information on the factors and computations used in the tables. The Medical Education Campus is exempt from this allocation model.

Table 2 shows the campus size in terms of FTES. It also shows the proportion of College FTES contributed by each campus for Fall 2013.

Table 3 provides FTES for Fall 2012, Fall 2013, and Fall 2014 by campus and for the College. In addition, it shows the percent change in FTES from Fall 2012 to Fall 2013 and Fall 2013 to Fall 2014. The average percent change over the two-year period is also depicted in the table.

Table 4 shows part-time, full-time, and total teaching credit hours for each campus. In addition, the table gives the proportion (PT proportion) of total teaching credit hours taught by part-time faculty at each campus.

Table 5 presents the campus multiple, which is computed from the product of the discipline credits and discipline ratio and then summed for the campus. In addition, the table gives the campus credit hours. The campus ratio (programmatic mix) is derived by dividing the campus multiple by the campus credit hours.

Table 6 summarizes the number of available and allocated 9-month teaching positions for 2014-15. It presents the 44 vacancies available for distribution.

Table 7 provides the total number of allocations by campus. The table footnote provides information on computations used.

Table footnotes provide information on the factors and computations used in the tables. Fifty percent of the vacancies produced by each campus will be retained by the respective campuses. The remaining vacancies are distributed by the model among all campuses (excluding the Medical Education Campus). The total number of allocations is calculated by adding the 50% of vacancies produced by each campus with the allocations from the model below.

Table 1 presents the 20 vacancies available for distribution. The Medical Education Campus is exempt from the allocation model in Table 1.

Table 1. Allocation of Teaching Faculty Positions by Model: 2014-15

Based on 20 Vacancies

	1	2	3	4	5	6	7	8	9	10	11	12	13
Campus	Size + 20	Growth (Avg. of Fall 12 & 13)	(Growth x 30) + 100	Product (1 & 3)/ 100	Percentage PT	Product (4 & 5)/ 100	Programmatic Mix	Inverse of Programmatic Mix	Product (6 & 8)	Vacancy Adjustment	Product (9 & 10)	%	Allocation by Model
Alexandria	40.7	-5.3	-59	-24.0	47.0	-11.3	23.6	4.2	-47.5	151/140	-51.2	-10.1	-2
Annandale	55.1	-1.8	46	25.3	49.5	12.5	24.0	4.2	52.5	217/202	56.4	11.1	2
Loudoun	35.6	4.9	247	87.9	54.1	47.6	24.2	4.1	195.2	107/101	206.8	40.7	8
Manassas	31.3	5.6	268	83.9	57.9	48.6	23.9	4.2	204.1	76/69	224.8	44.2	9
Medical Ed.	22.7	-2.4	28	6.4	19.2	1.2	11.7	8.5	10.2	---	---	---	---
Woodbridge	34.6	-0.2	94	32.5	48.7	15.8	23.4	4.3	67.9	96/91	71.6	14.1	3
Total		-0.5									508.4	100.0	20

1. "Size" represents the percentage of the total number of FTES at each campus for Fall 2013 (Column 1).
2. "Growth" is measured in terms of the average percentage change in FTES between two periods: Fall 2012 to Fall 2013 and Fall 2013 to Fall 2014 (Column 2).
3. Column 3 shows the campus growth rate. Growth from Column 2 was multiplied by 30 and 100 was added to each resulting number.
4. "Percentage PT" represents the percentage of PT faculty (in Teaching Credit terms) for Fall 2014 (Column 5). Data Source: NOVA PeopleSoft Query.
5. "Programmatic Mix" represents the weighted average of "funded ratios" of all disciplines of the particular campus for Fall 2013. (Column 7).
6. The Vacancy Adjustment is calculated by taking the inverse of the ratio of the number of filled positions to the number of funded positions (Column 10). Includes restricted hires.
7. Final allocations are made by apportioning the available positions on the basis of the percentages given in Column 12, which is based on the product in Column 11. In cases where the rounding up process produces a higher total than the actual number of positions to be allocated, one position is subtracted from the campus with points closest to being rounded down (Column 13).

Table 2. Campus Size Based on Fall FTES: Fall 2013

Campus	FTES	Percent
Alexandria	6,379.1	20.7%
Annandale	10,841.1	35.1%
Loudoun	4,820.0	15.6%
Manassas	3,490.7	11.3%
Medical Education	846.4	2.7%
Woodbridge	4,513.1	14.6%
College	30,890.4	100.0%

Table 3. Growth by Campus: Fall 2012, Fall 2013, and Fall 2014

Campus	Fall 2012 FTES	Fall 2013 FTES	Fall 2014 FTES	% Change Fall 12 to Fall 13	% Change Fall 13 to Fall 14	Average % Change F12 to F13 and F13 to F14
Alexandria	6,670.8	6,379.1	5,981.6	-4.4	-6.2	-5.3
Annandale	10,918.6	10,841.1	10,528.7	-0.7	-2.9	-1.8
Loudoun	4,635.2	4,820.0	5,100.3	4.0	5.8	4.9
Manassas	3,251.7	3,490.7	3,622.0	7.4	3.8	5.6
Medical Ed.	880.4	846.4	838.9	-3.9	-0.9	-2.4
Woodbridge	4,534.8	4,513.1	4,522.7	-0.5	0.2	-0.2
College	30,891.5	30,890.4	30,594.2	0.0	-1.0	-0.5

Data Source: Fall 2012 and Fall 2013 FTES from IRIS files, Fall 2014 FTES from PeopleSoft in October 2014.
Refer to Table 2 of the Selected Trend Data on Disciplines Report: Fall 2010 to Fall 2014 for FTES by discipline.

Table 4. Part-Time Faculty Proportion by Campus: Fall 2014

Campus	PT (Adjunct) Teaching Credit Hours	FT (9-mo) Teaching Credit Hours	Total Teaching Credit Hours	PT Proportion
Alexandria	2,145	2,415	4,560	47.0
Annandale	3,585	3,662	7,247	49.5
Loudoun	1,999	1,699	3,698	54.1
Manassas	1,562	1,134	2,696	57.9
Medical Education	120	506	626	19.2
Woodbridge	1,741	1,834	3,575	48.7
College	11,152	11,250	22,402	49.8

Data Source: NVCC Faculty Ratios PeopleSoft Query in October 2014.
Refer to Table 3 of the Selected Trend Data on Disciplines Report: Fall 2010 to Fall 2014 for part-time faculty ratio by discipline.

Table 5. Programmatic Mix by Campus: Fall 2013

Campus	Credit Hours	Multiple*	Ratio
Alexandria	95,686	2,254,305.7	23.6
Annandale	162,617	3,907,317.0	24.0
Loudoun	72,300	1,751,923.0	24.2
Manassas	52,361	1,252,374.2	23.9
Medical Education	12,696	149,080.0	11.7
Woodbridge	67,697	1,582,646.1	23.4
College	463,357	10,897,646.0	23.5

*The programmatic mix for the campus is calculated by dividing the total of the discipline multiples by the total of the discipline credit hours. Refer to Table 5 of the Selected Trend Data on Disciplines Report: Fall 2010 to Fall 2014 for credit hours and multiples by discipline.

**Table 6. Current Vacant and Available Positions: 2014-15
Based on 44 Vacancies**

Available Positions	Number	Allocated Positions	Number
Current Vacancies for Distribution	44	Allocation by Model	20
Current MEC Vacancies	---	MEC Allocation	---
Fifty Percent of Available Vacancies*	24	Allocation from Fifty Percent of Vacancies Produced*	24
New Positions	0	Presidential Discretion	0
Total	44	Total	44

*50% of vacancies produced by each campus (from HR, see table 7) was divided by two and rounded up.

Table 7. Total Number of Allocations by Campus: 2014-15

Campus	Vacancy from HR	50% of HR Vacancies*	Allocation by Model**	Total Allocations***
Alexandria	11	6	-2	4
Annandale	15	8	2	10
Loudoun	6	3	8	11
Manassas	7	4	9	13
Medical Ed.	---	---	---	---
Woodbridge	5	3	3	6
Total	44	24	20	44

*Figures were rounded up.

**From Column 13 of Table 1.

***Total allocation is calculated by adding the 50% of vacancies produced by each campus (from HR) with the allocations by model.