

TO: Five College Board of Directors
 Five College Registrars
 Five College Principal Student Affairs Officers
 Five College Admissions Officers
 Five College Deans
 Five College Principal Business Officers
 Five College Chief Advancement Officers

FROM: Neal Abraham, Executive Director

DATE: August 25, 2015; revised August 31, 2015; tweaked September 11, 2015

SUBJECT: Five College cross-registration data for 2014-15 and recent previous years

The total number of cross-registrations for 2014-15 was 5204, up 1.1% from 2013-14. This was the first uptick following a two-year, 9.8% decline in the number of cross-registrations. Details for 2014-15 in total and by semester are attached. For those interested in various trends, nine years of equivalent data is available for both annual totals and fall and spring totals.

Taking courses at the other four campuses remains most common for students enrolled at Hampshire (averaging more than one course per student per year). Per capita undergraduate student export and import (# course enrollments of outgoing and incoming students, respectively/# undergraduate students) for the year (to be compared with the results for the two previous years in (...)) and the raw export/import numbers and the difference are given below.

	<u>Export %</u>	<u>Import %</u>	<u>Export/Import (difference)</u>
Amherst College	33% (30%, 38%)	58% (59%, 61%)	595/1033 (-438)
Hampshire College	116% (122%, 132%)	53% (40%, 46%)	1598/ 727 (871)
Mount Holyoke College	70% (63%, 62%)	26% (30%, 31%)	1540/ 563 (977)
Smith College	32% (32%, 30%)	36% (36%, 41%)	832/ 930 (-98)
UMass Amherst	3% (3%, 3%)	7% (8%, 8%)	617/1667 (-1050)

For estimates of the percentage of courses taken by students from other campuses, see page two.

- There was noticeably reduced student outflow for the year from Hampshire (by 10.5%) but notable increased outflow from Amherst (12.5%) and Mount Holyoke (13.8%). For Amherst annual outflow registrations were up by 66, for Hampshire down by 188, for Mount Holyoke up by 187, for Smith down by 14 and for UMass up by 22.
- The total number of cross registrations is down 10.6% from the peak of 5822 in 2009-10; the five highest years for cross registration were 08-09 to 12-13, averaging 5636.
- There was noticeably reduced student in-flow to Mount Holyoke (-14%) and notable increased inflow to Hampshire (22.8%) and to the Five College Center for the Study of World Languages (23.5%). For Amherst the in-flow was down by 13, for Hampshire up by 135, for Mount Holyoke down by 92, for Smith down by 12, UMass down by 15, and for FCCSWL up by 54.
- For the second straight year Smith's import and export were nearly balanced after seven years of significant net import. Hampshire's export import ratio of 1:2 was noticeably lower than its past values of more nearly 1:3. Mount Holyoke's number of exports is nearly the same as Hampshire's, though the rate for Mount Holyoke students per capita is only 60% of the rate for Hampshire students.
- Total enrollments at the Five College Center for the Study of World climbed to a record 284, with a dramatic 28.5% increase in spring 2015 led by a 67% increase from Amherst and a 58% increase from Mount Holyoke. Most FCCSWL instruction is held on the students' campuses.

For further analysis of the data for the last five years contact (nabraham@fivecolleges.edu).

Other observations

For each campus, the highest year of exported cross registrations occurred in the following years

	Total for the year	Spring only
Amherst	2011-12	2012
Hampshire	2005-06	2006
Mount Holyoke	2014-15	2015
Smith	2010-11	2015
University	2009-10	2010

For each campus, the highest year of imported cross registrations occurred in the following years

	Total for the year	Spring only
Amherst	2009-10	2010
Hampshire	2011-12	2012
Mount Holyoke	2009-10	2006
Smith	2009-10	2010
University	2012-13	2014

Estimate of the percentage of all course enrollments taken at other campuses through cross registration by students from each campus (assuming each reported student FTE took 4 courses each semester).

	2014-15	2013-14	2012-13	2011-12	2010-11
Amherst	4.2%	3.7%	4.7%	5.5%	4.2%
Hampshire	14.5%	15.2%	16.4%	16.5%	16.1%
Mount Holyoke	8.8%	7.9%	7.7%	7.1%	6.6%
Smith	4.1%	4.1%	3.7%	3.8%	4.1%
University	0.3%	0.3%	0.4%	0.5%	0.5%

Estimate of the percentage of course enrollments on each campus filled by students from the other campuses (assuming each reported FTE student took 4 courses each semester).

	2014-15	2013-14	2012-13	2011-12	2010-11
Amherst	7.2%	7.3%	7.4%	7.7%	7.7%
Hampshire	6.6%	5.0%	6.4%	6.9%	5.5%
Mount Holyoke	3.2%	3.8%	4.0%	4.3%	4.1%
Smith	4.5%	4.5%	5.1%	5.9%	5.9%
University	0.9%	1.0%	1.0%	0.9%	0.9%

The percentages of graduating students who took at least one course at the other four colleges during their undergraduate student careers. (Source: Registrars August 2015)

Class of:	Amherst College	Hampshire College	Mount Holyoke College	Smith College	University of MA Amherst
2015	53.9%	90.7%	73.9%	49.7%	6.6%
2014	55.6%	93.6%	75.4%	52.2%	5.7%
2013	59.3%	94.9%	73.2%	49.2%	7.4%
2012	58.1%	90.7%	71.4%	53.2%	8.4%
5-yr avg. (2010-15)	56.6%	92.4%	72.6%	50.5%	7.4%
12-yr avg. (2004-15)	49.5%	93.7%	70.09%	44.7%	8.4%

The following data is drawn from mid-semester enrollment reports excluding independent studies, supervised research and physical education. Data on pages 3 and 4 is based on reports from the campuses receiving registrations excluding courses for less than 2 credit hours, independent studies and supervised research, and physical education. Data earlier in this report is based on reports from campuses sending students. By dividing the number of courses students from each campus take off campus by the number of courses available to them on their home campus, we find a “curricular enhancement percentage” that cross-registration provides each campus.

Fall 2014

Amherst students had 431 course offerings at Amherst. They registered 299 times for 169 courses off campus (HC: 24 in 21 courses; MHC: 43 in 33 courses; SC: 54 in 23 courses; UMass: 164 in 83 courses; and FCCSWL: 14 in 9 courses). Amherst students found a 39% curricular enhancement through cross-registration.

Hampshire students had 223 course offerings at Hampshire. They registered 784 times for 545 courses off campus (AC: 183 in 112 courses; MHC: 139 in 101 courses; SC: 237 in 153 courses; UMass: 209 in 164 courses; FCCSWL: 16 in 15 courses). Hampshire students found a 244% curricular enhancement through cross-registration.

Mount Holyoke students had 493 course offerings at Mount Holyoke. They registered 784 times for 475 courses off campus (AC: 149 in 98 courses; HC: 137 in 73 courses; SC: 170 in 120 courses; UMass: 224 in 167 courses; FCCSWL: 20 in 17 courses). Mount Holyoke students found a 96% curricular enhancement through cross-registration.

Smith students had 587 course offerings at Smith. They registered 344 times for 258 courses off campus (AC: 66 in 52 courses, HC: 70 in 45 courses; MHC: 45 in 34 courses; UMass: 134 in 101 courses; FCCSWL: 29 in 26 courses). Smith students found a 44% curricular enhancement through cross-registration.

UMass students had 2086 course offerings at UMass. They registered 275 times for 182 courses off campus (AC: 95 in 65 courses; HC: 64 in 37 courses; MHC: 19 in 17 courses; SC: 59 in 32 courses; FCCSWL: 38 in 31 courses). UMass students found a 9% curricular enhancement through cross-registration.

Spring 2015

Amherst students had 447 course offerings at Amherst. They registered 322 times for 198 courses off campus (HC: 28 in 22 courses; MHC: 46 in 39 courses; SC: 38 in 29 courses; UMass: 185 in 89 courses; and FCCSWL: 25 in 19 courses). Amherst students found a 44% curricular enhancement through cross-registration.

Hampshire students had 257 course offerings at Hampshire. They registered 801 times for 542 courses off campus (AC: 192 in 105 courses; MHC: 163 in 107 courses; SC: 235 in 161 courses; UMass: 200 in 158 courses; FCCSWL: 11 in 11 courses). Hampshire students found a 211% curricular enhancement through cross-registration.

Mount Holyoke students had 495 course offerings at Mount Holyoke. They registered 854 times for 558 courses off campus (AC: 156 in 99 courses; HC: 183 in 105 courses; SC: 179 in 118 courses; UMass: 298 in 207 courses; FCCSWL: 38 in 29 courses). Mount Holyoke students found a 113% curricular enhancement through cross-registrations.

Smith students had 605 course offerings at Smith. They registered 469 times for 325 courses off campus (AC: 89 in 65 courses, HC: 112 in 67 courses; MHC: 54 in 45 courses; UMass: 177 in 117 courses; FCCSWL: 37 in 31 courses). Smith students found a 54% curricular enhancement through cross registration.

UMass students had 2089 course offerings at UMass. They registered 413 times for 284 courses off campus (AC: 121 in 97 courses; HC: 120 in 69 courses; MHC: 47 in 30 courses; SC: 69 in 50 courses; FCCSWL: 56 in 38 courses). UMass students found a 14% curricular enhancement through cross-registration.

The vast majority of student “export” involves students in ones or twos taking particular courses at the other four campuses. Courses of greatest interest in recent years for students of each campus are the following.

For Amherst students. Thirty courses drew 10 or more students over the last eight semesters (listed below); 13 drew 15 or more students; 78 drew five or more students.

The Sports Economy (Smith) 60 in Spring 2012, 21 in Fall 2014, 19 in Spring 2013,
Human Biology (University) 42 in Fall 2012, 14 in Fall 2011
Financial Accounting (Smith) 36 in Spring 2012
Intro to Accounting (University) **26 in Spring 2015**, 17 in Spring 2013, 19 in Spring 2014
World Politics (University) 26 in Fall 2014, 16 in Fall 2013, 17 in Spring 2014, **16 in Spring 2015**
Sustainable Agriculture and Organic Farming (Hampshire) 18 in Spring 2012
Corporation Finance (University) 16 in Spring 2014
Latin American Cinema (University) 14 in Spring 2014, 12 in Spring 2013, **12 in Spring 2015**
My DNA (University) 14 in Spring 2012
Spanish Cinema (University) 12 in Fall 2014, 11 in Fall 2013
History of College Sport (University) **11 in Fall 2015**

For Hampshire students. Only four courses drew 10 or more students – but not more than 13 -- over the last eight semesters; 91 drew five or more students.

Frontiers in Biomathematics (Smith) 13 in Spring 2012
Videogames (Amherst) **12 in Spring 2015**
Plays in Play (Amherst) 12 in Fall 2012
Tribal Fusion -- Dance (Smith) 11 in Spring 2012
History and Critical Issues of Museums (Mount Holyoke) 9 in Fall 2011
Marx and Critical Theory (Amherst) 9 in Spring 2014
Clinical Herbalism (University) 9 in Spring 2014, 8 in Fall 2012
Education Practicum (Mount Holyoke) 8 in Spring 2013
Child and Adolescent Growth (Smith) 8 in Fall 2013
Community in Motion – Theater (Amherst) **8 in Spring 2015**

For Mount Holyoke students. Only five courses drew 10 or more students – but not more than 11 -- over the last eight semesters; 70 drew five or more students.

Sustainable Agriculture and Organic Farming (at Hampshire) 11 in Spring 2013, 10 in Spring 2012
Money and Banking (University) 11 in Fall 2014
Probability (at Smith) 10 in Fall 2012
World Politics (University) **10 in Spring 2015**, 8 in Spring 2013
Savoring Italy (Smith) **9 in Spring 2015**
Frontiers of Biomathematics (at Smith) 9 in Spring 2013, 8 in Spring 2014
Economic Development (at Hampshire) 8 in Fall 2012
Ecology, Agriculture, Society (at Hampshire) 8 in Fall 2011
Elementary Biochemistry (University) 8 in Fall 2014

For Smith students: Only one course drew 10 or more students – but not more than 11 -- over the last eight semesters; 32 drew five or more students.

Mathematical Statistics (Mount Holyoke) 11 in Spring 2012
Public Back in Public Art (Hampshire) 8 in Spring 2013
Astrobiology (Hampshire) 8 in Fall 2012, 7 in Fall 2013
American Sign Language (Hampshire) 7 in Fall 2014

For University students. Only 7 courses drew 10 or more students – but not more than 12 -- over the last eight semesters; 40 drew five or more students.

Arab Uprisings (Hampshire) 12 in Spring 2012
First-Year Russian (Amherst): 11 in Fall 2011; UMass resumed offering this course in 2013-14.
Gentle Yoga Flow (Hampshire) **11 in Spring 2015**, 10 in Spring 2014, 8 in Spring 2012
Observational Techniques in Astronomy and Independent Research (Smith) 10 in Fall 2014
Planetary Astronomy (Mount Holyoke) **10 in Spring 2015**
Geochemistry (Amherst): 8 in Fall 2013
History and Aesthetics of Dance (Smith): 8 in Spring 2013
Contemporary Modern Dance (Amherst): 8 in Spring 2013

Five Colleges, Inc.

2014 - 2015

Based on HOME institution figures

(Reports include enrollments for the Center for the Study of World Languages)

First Semester Course Enrollments

Fall 2014

	Amherst College	Hampshire College	Mount Holyoke College	Smith College	University of Massachusetts (less CSWL)	CSWL	TOTAL OUT	Fall 2013 Total Out	Change from FY14 to FY15
Amherst to		24	42	47	163	14	290	149	141
Hampshire to	183		147	226	229	16	801	881	-80
Mount Holyoke to	149	141		130	248	20	688	608	80
Smith to	69	71	47		150	29	366	442	-76
University Undergrad to	85	53	19	43		38	238	245	-7
University Grad to	2	4	1	1			8	26	-18
TOTAL IN	488	293	256	447	790	117	2,391	2,351	40

Second Semester Course Enrollments

Spring 2015

	Amherst College	Hampshire College	Mount Holyoke College	Smith College	University of Massachusetts (less CSWL)	CSWL	TOTAL OUT	Spring 2014 Total Out	Change from FY14 to FY15
Amherst to		24	41	31	184	25	305	380	-75
Hampshire to	189		162	230	205	11	797	905	-108
Mount Holyoke to	157	182		165	310	38	852	745	107
Smith to	88	108	55		178	37	466	404	62
University Undergrad to	107	113	48	55		56	379	350	29
University Grad to	4	7	1	2			14	12	2
TOTAL IN	545	434	307	483	877	167	2,813	2,796	17

Total Interchange Course Enrollments during 2014-2015: 5,204

2014 - 2015 AY Totals

	AC Totals	HC Totals	MHC Totals	SC Totals	UM Totals	CSWL Totals	TOTAL OUT	FY14 Total Out	Change from FY14 to FY15
Amherst to		48	83	78	347	39	595	529	66
Hampshire to	372		309	456	434	27	1,598	1,786	-188
Mount Holyoke to	306	323		295	558	58	1,540	1,353	187
Smith to	157	179	102		328	66	832	846	-14
University Undergrad to	192	166	67	98		94	617	595	22
University Grad to	6	11	2	3			22	38	-16
TOTAL IN	1,033	727	563	930	1,667	284	5,204	5,147	57