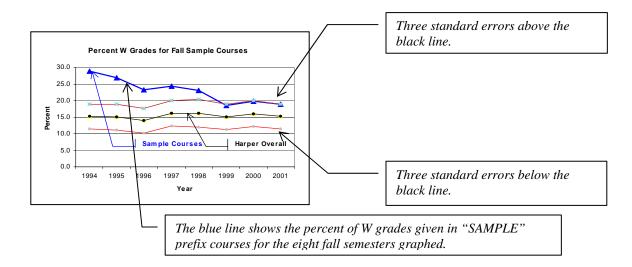
Semester Level Grade Distributions with Graphs for MOA Prefix Courses

Prepared by the Office of Research Teaming to Serve the Research Needs of the College November 21, 2007 The page that follows provides grade distributions for the past ten summer, fall, and spring semesters, which contains six graphs showing the percent F and W grades awarded students taking courses with the specified prefix. Each grade graph has a black line representing the overall Harper percent of students (excluding AED courses) receiving that grade. Each grade graph also has two red lines representing three course prefix standard errors above and below the black line. The percent line for the specified prefix is blue. An annotated sample graph is provided below.

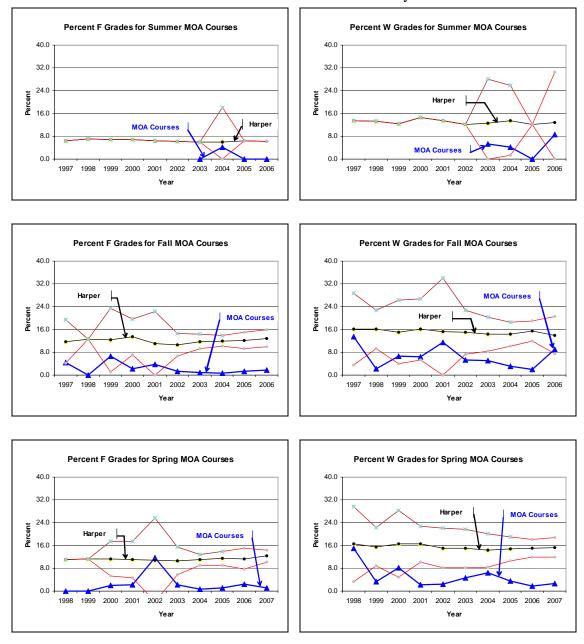


Generally, the blue line should stay between the two red lines with some points above the black line and some points below the black line. Blue points that are above the top red line represent percents that are significantly above the overall Harper percent (p < .01). Similarly, blue points that are below the bottom red line represent percents that are significantly below the overall Harper percent (p < .01).

If the graphs on the following pages show several "blue" points above the top red line or below the bottom red line, further investigation may be warranted. In the sample graph, most of the blue points are above the top red line. This indicates an excessive number of W's were issued for courses with the "SAMPLE" prefix. When all the blue points are below the black line the percent is consistently on the low side; similarly, when all the blue points are above the black line the percent is consistently on the high side.

The last page includes tables giving the total number of all grades given for each year, the percent of each grade type (%A, %B, %C, %D, %F, %W) graphed and its standard error (SE), and another grade labeled "O." O grades are other types of grades (audit, transfer credit, pass, incomplete, and so forth). Typically there are very few O grades.

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## Grade Distributions for MOA Prefix Courses by Semester

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Ν	%A	SE	%B	SE	%С	SE	%D	SE	%F	SE	%W	SE	%O	SE	%₽	SE
0																
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19	84.2	8.4		5.1	5.3	5.1	0.0	0.0	0.0	0.0	5.3	5.1	0.0	0.0	0.0	0.0
24	75.0	8.8		4.1			0.0	0.0	4.2	4.1	4.2	4.1	4.2	4.1	0.0	0.0
15									0.0	0.0	0.0	0.0		0.0	0.0	0.0
23	60.9	10.2	30.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	8.7	5.9	0.0	0.0	0.0	0.0
Ν	%A	SE	%B	SE	۶С	SE	%D	SE	%F	SE	%W	SE	80	SE	۶P	SE
67	17.9	4.7	49.3	6.1	11.9	4.0	3.0	2.1	4.5	2.5	13.4	4.2	0.0	0.0	0.0	0.0
44	34.1	7.1	52.3	7.5	6.8	3.8	4.5	3.1	0.0	0.0	2.3	2.2	0.0	0.0	0.0	0.0
45	35.6	7.1	28.9	6.8	20.0	6.0	2.2	2.2	6.7	3.7	6.7	3.7	0.0	0.0	0.0	0.0
47	63.8	7.0	23.4	6.2	2.1	2.1	2.1	2.1	2.1	2.1	6.4	3.6	0.0	0.0	0.0	0.0
26	69.2	9.1	15.4	7.1	0.0	0.0	0.0	0.0	3.8	3.8	11.5	6.3	0.0	0.0	0.0	0.0
75	66.7	5.4	21.3	4.7	4.0	2.3	0.0	0.0	1.3	1.3	5.3	2.6	1.3	1.3	0.0	0.0
120	71.7	4.1	12.5	3.0	8.3	2.5	1.7	1.2	0.8	0.8	5.0	2.0	0.0	0.0	0.0	0.0
160	64.4	3.8	27.5	3.5	4.4	1.6	0.0	0.0	0.6	0.6	3.1	1.4	0.0	0.0	0.0	0.0
145	70.3	3.8	20.0	3.3	4.8	1.8	1.4	1.0	1.4	1.0	2.1	1.2	0.0	0.0	0.0	0.0
177	52.0	3.8	26.0	3.3	10.2	2.3	1.1	0.8	1.7	1.0		2.2	0.0	0.0	0.0	0.0
Ν	۶A	SE	%B	SE	₽С	SE	%D	SE	۶F	SE	₩	SE	<del>%</del> 0	SE	۶P	SE
67	26.9			6.1	7.5	3.2	3.0	2.1	0.0	0.0	14.9	4.4	1.5	1.5	0.0	0.0
62	41.9	6.3	17.7	4.9	17.7	4.9	0.0	0.0	0.0	0.0	3.2	2.2	0.0	0.0	0.0	0.0
49	42.9	7.1	12.2	4.7	8.2	3.9	0.0	0.0	2.0	2.0	8.2	3.9	0.0	0.0	0.0	0.0
47	63.8	7.0	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
43	55.8	7.6	16.3	5.6	0.0	0.0	0.0	0.0	11.6	4.9	2.3	2.3	2.3	2.3	0.0	0.0
87	57.5	5.3	10.3	3.3	9.2	3.1	1.1	1.1	2.3	1.6	4.6	2.2	0.0	0.0	0.0	0.0
158	48.7	4.0	15.2	2.9	7.0	2.0	0.0	0.0	0.6	0.6	6.3	1.9	0.0	0.0	0.0	0.0
174	48.3	3.8	8.6	2.1	5.2	1.7	0.6	0.6	1.1	0.8	3.4	1.4	0.0	0.0	0.0	0.0
165	46.7	3.9	12.7	2.6	7.9	2.1	4.2	1.6	2.4	1.2	1.8	1.0	0.0	0.0	0.0	0.0
193	49.2	3.6	13.5	2.5	7.8	1.9	0.5	0.5	1.0	0.7	2.6	1.1	0.0	0.0	0.0	0.0
	0 0 0 0 19 24 15 23 23 N 67 44 45 47 26 75 120 160 145 177 158 8 7 49 47 43 87 158 174 158	0 0   0 0   0 0   0 84.2   24 75.0   15 53.3   23 60.9   N %A   67 17.9   44 34.1   45 35.6   47 63.8   26 69.2   75 66.7   120 71.7   160 64.4   145 70.3   177 52.0   N %A   67 26.9   62 41.9   42.9 41.9   42.9 41.9   43 55.8   87 57.5   158 48.7   174 48.3	0 0   0 0   0 0   0 0   19 84.2 8.4   24 75.0 8.8   15 53.3 12.9   23 60.9 10.2   N %A SE   67 17.9 4.7   44 34.1 7.1   45 35.6 7.1   47 63.8 7.0   26 69.2 9.1   75 66.7 5.4   120 71.7 4.1   160 64.4 3.8   175 52.0 3.8   177 52.0 3.8   177 52.0 3.8   177 52.0 3.8   174 63.8 7.0   42 1.9 6.3   47 63.8 7.0   43 55.8 7.6   87 57.5 5.3	0 0 0   0 0 0   0 0 0   0 0 0   19 84.2 8.4 5.3   24 75.0 8.8 4.2   15 53.3 12.9 40.0   23 60.9 10.2 30.4   N %A SE %B   67 17.9 4.7 49.3   44 34.1 7.1 52.3   45 35.6 7.1 28.9   47 63.8 7.0 23.4   26 69.2 9.1 15.4   75 66.7 5.4 21.3   120 71.7 4.1 12.5   160 64.4 3.8 20.0   177 52.0 3.8 20.0   177 52.0 3.8 20.0   177 52.0 3.8 20.0   174 24.9 7.1	0 0 0   0 0 0   0 0 0   0 0 0   0 0 0   19 84.2 8.4 5.3 5.1   24 75.0 8.8 4.2 4.1   15 53.3 12.9 40.0 12.6   23 60.9 10.2 30.4 9.6   K 8 SE %B SE   67 17.9 4.7 49.3 6.1   44 34.1 7.1 52.3 7.5   45 35.6 7.1 28.9 6.8   47 63.8 7.0 23.4 6.2   26 69.2 9.1 15.4 7.1   75 66.7 5.4 21.3 4.7   120 71.7 4.1 12.5 3.0   160 64.4 3.8 27.5 3.5   145 70	0 0 0 0   0 0 0 0   0 0 0 0   19 84.2 8.4 5.3 5.1 5.3   24 75.0 8.8 4.2 4.1 8.3   15 53.3 12.9 40.0 12.6 6.7   23 60.9 10.2 30.4 9.6 0.0   44 34.1 7.1 52.3 7.5 6.8   45 35.6 7.1 28.9 6.8 20.0   47 63.8 7.0 23.4 6.2 2.1   26 69.2 9.1 15.4 7.1 0.0   75 66.7 5.4 21.3 4.7 4.0   120 71.7 4.1 12.5 3.0 8.3   160 64.4 3.8 27.5 3.5 4.4   145 70.3 3.8 20.0 3.3 10.2	0 0 0 0   0 0 0 0   0 0 0 0   19 84.2 8.4 5.3 5.1   24 75.0 8.8 4.2 4.1 8.3 5.6   15 53.3 12.9 40.0 12.6 6.7 6.4   23 60.9 10.2 30.4 9.6 0.0 0.0   44 34.1 7.1 52.3 7.5 6.8 3.8   45 35.6 7.1 28.9 6.8 20.0 6.0   47 63.8 7.0 23.4 6.2 2.1 2.1   26 69.2 9.1 15.4 7.1 0.0 0.0   75 66.7 5.4 21.3 4.7 4.0 2.3   120 71.7 4.1 12.5 3.0 8.3 2.5   160 64.4 3.8 27.5 3.5	0 0 0 0 0   0 0 0 0 0 0 0   19 84.2 8.4 5.3 5.1 5.3 5.1 0.0   24 75.0 8.8 4.2 4.1 8.3 5.6 0.0   15 53.3 12.9 40.0 12.6 6.7 6.4 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0   24 75.0 8.8 4.2 4.1 8.3 5.6 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0   24 75.9 4.7 49.3 6.1 11.9 4.0 3.0   44 34.1 7.1 52.3 7.5 6.8 3.8 4.5   45 35.6 7.1 28.9 6.8 20.0 6.0 2.2   47 63.8 7.0 <td< td=""><td>0 0 0 0 0   0 0 0 0 0 0   19 84.2 8.4 5.3 5.1 5.3 5.1 0.0 0.0   24 75.0 8.8 4.2 4.1 8.3 5.6 0.0 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0 0.0   24 35.6 7.1 28.9 6.8 20.0 6.0 2.2 2.2   44 34.1 7.1 52.3 7.5 6.8 3.8 4.5 3.1   45 35.6 7.1 28.9 6.8 20.0 6.0 2.2 2.2   47 63.8 7.0 2.1.3 4.7</td><td>0 0</td><td>0 0</td><td>0 0</td><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td>0 0</td><td><math display="block"> \begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td><td>0 0</td></td<>	0 0 0 0 0   0 0 0 0 0 0   19 84.2 8.4 5.3 5.1 5.3 5.1 0.0 0.0   24 75.0 8.8 4.2 4.1 8.3 5.6 0.0 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0 0.0   23 60.9 10.2 30.4 9.6 0.0 0.0 0.0 0.0   24 35.6 7.1 28.9 6.8 20.0 6.0 2.2 2.2   44 34.1 7.1 52.3 7.5 6.8 3.8 4.5 3.1   45 35.6 7.1 28.9 6.8 20.0 6.0 2.2 2.2   47 63.8 7.0 2.1.3 4.7	0 0	0 0	0 0	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0 0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0

Total N of MOA Students and Percent Earning Each Grade with Standard Error (SE)

\*Harper overall percent plus/minus three standard errors form the red lines on the graphs. MOA percents within the red lines are not significantly different from the overall Harper percent at the .01 level of significance.