

Characteristics of Key Performances

This study was concerned with student and faculty use and perceptions of the DDP. Key performances are the operational unit of the DDP. In order to understand the use of the DDP during spring, 2005, an analysis of active key performances was necessary. There were four sub-questions related to the analysis of active key performances:

1. How many active key performances are being used by students?
2. What discipline departments have completed key performances?
3. How are completed key performances connected to the abilities?
4. How are completed key performances connected to other matrices?

All of the data to address these questions came from the DDP relational database entries from spring, 2005.

How many active key performances are being used by students?

The DDP relational database was queried to identify all key performances that were active (available for student use) during spring, 2005. The query identified 472 active key performances. A query was created to identify which of the 472 active key performances were completed by students. Approximately 40% (184) of the active key performances were completed by students during spring, 2005.

What discipline departments have completed key performances?

Key performances that were completed in spring, 2005 were sorted into discipline departments. There were a total of 63 possible undergraduate discipline departments in

the DDP. The data indicated that 37 different discipline departments, or 59.0%, had key performances completed by students during spring, 2005.

Figure 62 displays the results of the data on these discipline departments. The Assessment Center (AC), which maintains all outside-of-class assessments required of all students, had the highest percent of active key performances at 23.6%. The Communication Ability Department (CM) accounted for 19.6% of completed key performances. There were four discipline departments that had one completed key performance. These departments were Marketing Management, Physics, Religious Studies, and Science.

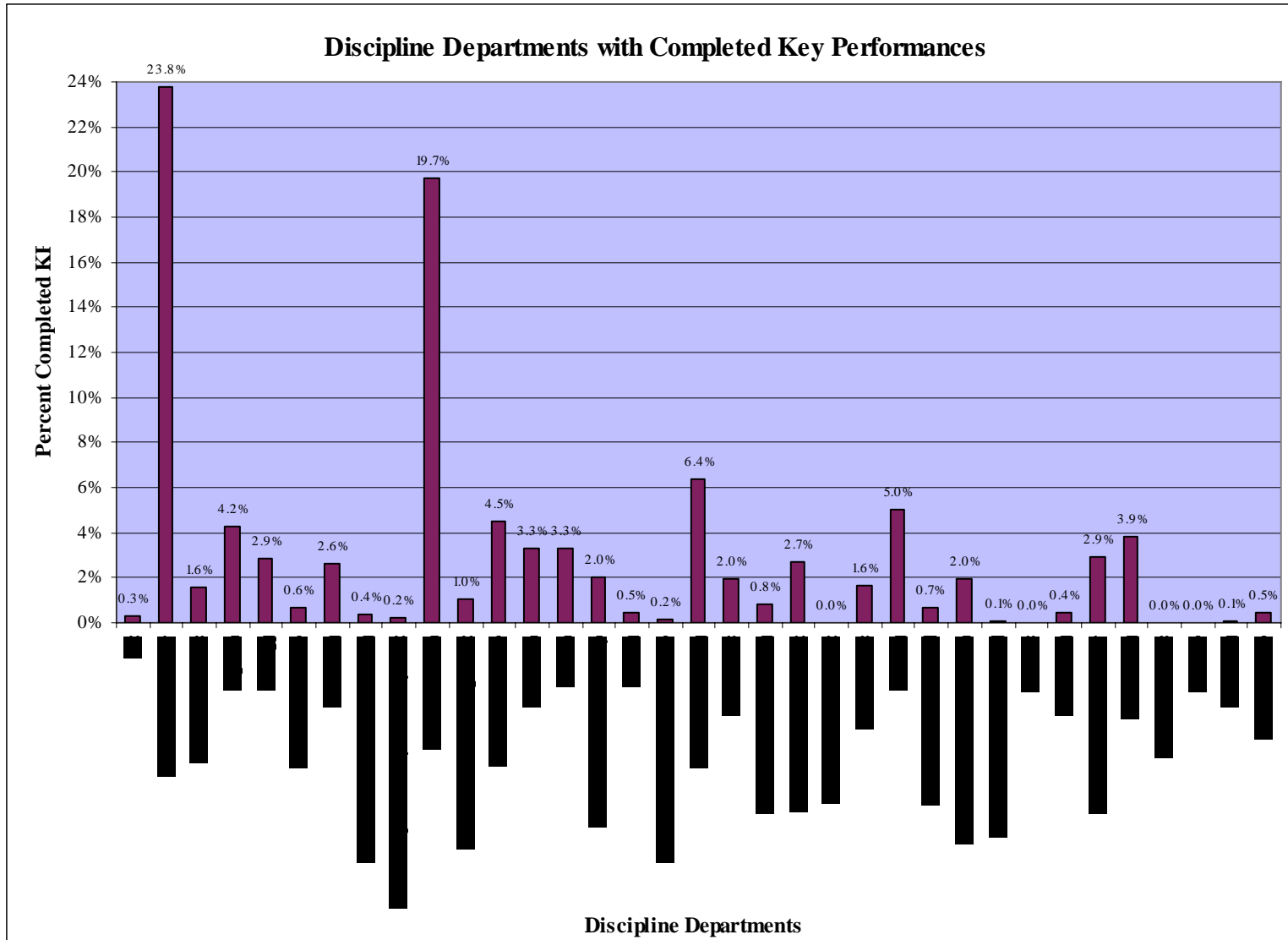


Figure 62. Discipline Departments with completed key performances

Table 59 displays all discipline departments completing key performances during spring, 2005, the number of completed key performances, and the percentages. Two discipline departments accounted for 43.2% of completed key performances, Assessment Center (AC) and Communications (CM).

Table 59

Summary of Discipline Departments and Completed Key Performances

Department	N	Percent	Department	N	Percent
<i>Art</i>	12	0.3%	<i>Liberal Arts</i>	77	2.0%
<i>Assessment Center</i>	925	23.6%	<i>Management Accounting</i>	32	0.8%
<i>Arts & Humanities</i>	61	1.6%	<i>Business & Management</i>	106	2.7%
<i>Algebra</i>	165	4.2%	<i>Management Marketing</i>	1	0.0%
<i>Biology</i>	112	2.9%	<i>Mathematics</i>	63	1.6%
<i>Broadfield Science</i>	25	0.6%	<i>Nursing</i>	196	5.0%
<i>Chemistry</i>	102	2.6%	<i>Nursing PreProfessional</i>	26	0.7%
<i>Computer & Information Literacy</i>	14	0.4%	<i>Professional Communications</i>	76	1.9%
<i>Community, Leadership & Development</i>	8	0.2%	<i>Psychology – Drug & Alcohol</i>	3	0.1%
<i>Communication</i>	767	19.6%	<i>Physics</i>	1	0.0%
<i>Communication, Management & Technology</i>	40	1.0%	<i>Philosophy</i>	17	0.4%
<i>Computer Science</i>	174	4.4%	<i>PreProfessional Seminar</i>	113	2.9%
<i>Education</i>	127	3.2%	<i>Psychology</i>	150	3.8%
<i>English</i>	129	3.3%	<i>Religious Studies</i>	1	0.0%
<i>Global Effective Citizenship</i>	78	2.0%	<i>Science</i>	1	0.0%
<i>History</i>	18	0.5%	<i>Sociology</i>	4	0.1%
<i>Independent Learning Experience</i>	6	0.2%	<i>Social Science</i>	18	0.5%
<i>Integrated Learning</i>	249	6.4%			

How are completed key performances connected to the abilities?

A key performance could be connected to any of the eight abilities and four levels. For students to be able to track their development across the abilities, all abilities and levels need to be represented in completed key performances. The DDP relational database was queried to determine the connections between key performances completed during spring, 2005 and the Abilities matrix. The results of the query found a total of 8,753 connections to the Ability matrix from completed key performances.

Table 60 displays a summary of all the Ability matrix connections to completed key performances. The table indicates that all eight abilities and four levels are represented in completed key performances for spring, 2005.

The data indicated that 43.6% of completed key performances were connected to the Communication ability. The Analysis and Problem Solving abilities accounted for 19.7% and 11.8% of key performance connections. The Effective Citizenship ability had the lowest number of connections to completed key performances, with 4.0%. These results found that during spring, 2005 all abilities and all levels were represented by completed key performances.

Table 60

Summary of Ability-Matrix Connections to Completed Key Performances for the Spring, 2005 Semester

Ability	Level 1	Level 2	Level 3	Level 4	Totals	Percent
Communication					(3,813)	(43.6%)
	R - 287	R - 124	ICM - 721	ICM - 167	1,299	14.8%
	W - 269	W - 198			467	5.3%
	S - 199	S - 758			957	10.9%
	L - 0	L - 157			157	1.8%
	C - 257	C - 135			392	4.5%
	Q - 408	Q - 76	Q - 7	Q - 50	541	6.2%
Analysis	178	337	721	484	1,720	19.7%
Problem Solving	68	107	492	362	1,029	11.8%
Valuing	119	134	117	48	418	4.8%
Social Interaction	197	41	15	103	356	4.1%
Effective Citizenship	59	14	258	15	346	4.0%
Global Perspectives	118	74	124	110	426	4.9%
Aesthetic Engagement	184	200	134	127	645	7.4%
Totals	2,343	2,355	2,589	1,466	8,753	
Percent	26.8%	26.9%	29.6%	16.8%		100.0%

How are completed key performances connected to other matrices?

Besides the Abilities matrix, a key performance could be connected to matrices representing advanced outcomes of major and support (minor) programs. There are additional matrices that could be connected to key performances, including Wisconsin Educational Standards (Department of Public Instruction (DPI) Standards) and a variety of Content Guidelines Matrices set forth by DPI. A key performance could be connected to any number of matrices multiple times. For example, a key performance in Mathematics could be connected to the advanced outcomes for Mathematics majors, advanced outcomes for Mathematics supports (minors), Wisconsin Education Standards matrix, and/or the Mathematics Content Guidelines matrix.

The DDP relational database was queried to determine the connections between key performances completed during spring, 2005 and matrices other than the Ability matrix. Data indicated key performances completed during spring, 2005 were connected to 29 different matrices a total of 3,487 times.

Table 61 contains a summary of the key performances completed and their connections to matrices. The Educational Standards matrix had the highest number of connections to completed key performances, with 602 or 17.3%. Psychology, Mathematics Content Guidelines, English, and Computer Science matrices rounded out the top five matrices connected to key performances completed during spring, 2005.

Table 61

Summary of DDP Relational Database Data on Completed Key Performances connections to Matrices (Other Than Ability Matrix)

Matrix Name	No. of Connections	Percent	Matrix	No. of Connections	Percent
Art - Studio	5	0.1%	English	307	8.8%
Art Education	1	0.0%	English - Support	112	3.2%
Art Education/Art Therapy	2	0.1%	International Business	50	1.4%
Art Therapy	3	0.1%	Marketing Management	22	0.6%
Arts and Humanities, Integrated	54	1.5%	Mathematics	38	1.1%
Business & Management Accounting	54	1.5%	Mathematics Content Guidelines	352	10.1%
Business and Management	206	5.9%	Nursing - Level 5 Junior Year	48	1.4%
Chemistry	122	3.5%	Philosophy	120	3.4%
Chemistry - Support	12	0.3%	Philosophy - Support	24	0.7%
Communication Management & Technology	90	2.6%	Professional Communication	43	1.2%
Community Leadership & Development	42	1.2%	Psychology	516	14.8%
Computer Science	241	6.9%	Psychology - Support	64	1.8%
Computer Science - Support	76	2.2%	Social Science	81	2.3%
Education	175	5.0%	Social Science - Support	25	0.7%
Education Standards	602	17.3%	Totals	3,487	100.0%

Summary of Results:

Data on completed key performances were used to compile an overall picture of key performance characteristics. Characteristics of key performances completed during spring, 2005 included:

1. Students completed 184 out of 472 different key performances (39.0%). A total of 3,918 key performances were completed by 1,669 different students.
2. There were 37 discipline departments represented in the 3,918 completed key performances. The discipline departments with the highest number of

completed key performances were: Assessment Center (AC), 23.6%, Communication (CM), 19.6%, Integrated Learning (IN), 6.4%, and Nursing (N), 5.0%.

3. Completed key Performances were connected 8,753 times to the Ability matrix. All eight abilities and levels were represented. The abilities with the largest number of connections to completed key performances were: Communication (43.6%), Analysis (19.7%), and Problem Solving (11.8%).
4. Completed key Performances were connected to matrices (other than the Ability Matrix) 3,487 times, representing 29 different matrices. The matrices with the largest number of connections to completed key performances were: Wisconsin Education Standards (17.3%), Psychology (14.8%), Mathematics Content Guidelines (10.1%), and English (8.8%).