

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1	<b>CMDM (Course Management Data Mart)</b>																		
2	<b>Data Needs Tickler</b>																		
3	<b>Update Appendix</b>																		
4	<b>Date of Meeting</b>	<b>Description</b>	<b>Record</b>	<b>Synonym/COBOL</b>	<b>Update Req Doc</b>	<b>Update Policy Doc</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>Comments</b>	
5		Need to be able to tie the instructor to the course and qualifications.	IARRCIC (SIS), UXERCFR (HRS)		11/8/2003			RIN40, RIN42, RIC04, RIN05	X										TA Credentials
6		A history table of social security numbers will need to be built for the data in SIS that can't be changed.			11/1/2003								Tbl 5 thru 9 - 11/1/03						
7	2/12/2002 Jayna	Need a cross-reference table for Academic Year, Fiscal Year, Federal Year, Term and Date											Tbl 2						
8	2/12/2002 Jayna	Need a cross-reference table for Campus, Academic Unit, SIS department, SIS college and FRS department and college. (degree, major)											Tbl 3						
9	5/29/2002	Faculty Rank – who is TA, PTI, etc.	UXERCFT (C)	PRSN_EMP_INSTR_FLG (B)				RIN34	X										
10	5/29/2002	Hours in which rooms are actively used for non-course related time.																	Difference between row 65 & 66 in Aprdx H?
11	5/29/2002	Identification of all TAs.	IARRCIC (B), IAERCAS (C - JCC of " ")					RIN32	X				Tbl 8						
12	5/29/2002	Identification of faculty credentials (to determine who can teach a course).		V-FACULTY-DEGR, V-FACULTY-ROOT (HRS)	11/8/2003			X											
13	5/29/2002	Identification of non-traditional courses for distance education – does not allow percentage allocations of Internet versus lecture. (1/29/03 We need to be able to assign percentages to multiple delivery modes per course.)						RC263, RC020						?					
14	5/29/2002	Instructor ID (Not all faculty and TAs are identified in SIS; ID not same in SIS and HRS.) Need table to identify cross-reference between different IDs and names.			11/1/2003								Tbl 5 - 11/1/03						
15	5/29/2002	Room Use Code – primary use only.					ROOM												
16	5/29/2002	Smart classroom data – (equipment, internet connections, etc.)								X									
17	6/5/2002	CAS/DARWin.																	Not now - later phase.
18	6/5/2002	Course Activity Type – lecture, lab, seminar, etc.	IARRCRC	RC020				X											Future
19	6/5/2002	Course/degree/major information.						RT115, RT120, RT122, RT125, RT121, RT130, RT140, RT145, RT147, RT150, RT152, RT155											
20	6/5/2002	Courses taught during prime-time, by Course Level.						New elements, 10/03						X					
21	6/5/2002	Credit hours of course (fixed versus variable).						RT050, RT325, RT330, RT335											
22	6/5/2002	Delivery mode.						X											
23	6/5/2002	Department (Course or student?)						RIN20, RIN2, RC025, R1150											
24	6/5/2002	Hours taught by faculty.						New element						X					
25	6/5/2002	Metric on high/low demand courses. Also meeting 11/3/03 with Connie.						New element - student demand						PM - program demand					
26	6/5/2002	Metric on how many courses/credit hours should be generated based on x% of instructor DOE (Distribution of Effort).																	Future

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4	6/5/2002	Metric on optimal faculty/student ratio.												New element				
27	6/5/2002	Number of courses taught by faculty.												9/03 Performance Measure				
28	6/5/2002	Student classification.						RT110										
29	6/5/2002	Student college.						RRA30										
30	6/5/2002	Student degree.						RRA04										
31	6/5/2002	Student major.						RRA12, RRA16, RRA20										
32	6/5/2002	Why do students not take morning or evening/weekend courses. (Are they working, etc?)						New element						X				
33	6/12/2002	Faculty rank not identified in SIS – is it available in HRS?							X									
34	6/12/2002	Course level indicator.						New element										
35	6/12/2002	Foreign student.						New element	X - Employees									
36	6/12/2002	Medical Center meeting patterns.										Schedule 25						
37	6/12/2002	Records for enrollment in courses that are deleted in SIS if student drops a course prior to the last day to add. (May be able to pull most of these from the Oracle log.) Do we want to pull historical data or just rely on snapshots in future?																
38	6/12/2002	Student ethnicity.						AA050										
39	6/12/2002	Student FTE (overall and by college, department, etc.)						X										
40	6/12/2002	Student gender.						AA040										
41	6/12/2002	Student headcount (overall and by college, department, etc.)												X				
42	6/12/2002	Loss of records of dropped courses prior to the last day to add a course. Some of this can be captured from Oracle log. (Duplicate of 6/12/02)																
43	6/26/2002	Definition of CPE goal on room hours of use.												3-Sep				Definition of Performance Measures on 'CPE Goals'
44	6/26/2002	Effective enrollment date in a course (versus the date of record entry in SIS).																
45	6/26/2002	Flag for prime-time versus non-prime-time.							3-Oct									
46	6/26/2002	Need to calculate attempted and earned hours at course level to generate credit hours.						RT330, RT129, RT325										
47	6/26/2002	SIS flag for variable versus fixed credit hours on course records. (Duplicate of 6/5/02)																
48	7/3/2002	Is the course in Blackboard?				11/11/2003								Tbl 19				
49	7/3/2002	Means to identify which courses require a smart classroom.																
50	7/3/2002	The privacy flag needs to be in the data mart. People need to be trained on the use of the privacy flag. The purpose of a report may be an issue regarding the privacy flag.																
51	7/18/2002	*Old data in Facilities being archived and not available.					X								Addum 2			Enter in Hugo's system
52	07/18/02 Data	*Nothing in SIS to identify courses in Blackboard. Would have to use filler in SIS. Does indicate Distance Learning courses. (Duplicate of 7/3/02)																
53	07/18/02 Data	*Nothing in SIS to indicate course requires a smart classroom. Would have to use filler in SIS. (Duplicate of 7/3/02)																
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4	7/19/2002	Term records in SIS indicating stop and start dates, as well as other pertinent information. (Jayna)						RC078, RC083, RC238, RMT08, RT078, RC243, R1108, RT080											
55	07/24/02 DQ	There is no activity type for field experience. Jacquie indicated if new values were created the 'Pink Sheet' would also need to be changed. This is the form required to change the printing of the schedule.				X													
56	7/31/2002	The data mart should provide the ability to drill down to the detail records behind any summary statistic, including meeting pattern data on open sections.			11/1/2003			New Element						X					
57	7/31/2002	Review HRS elements for faculty information. (Need to know FT/PT, etc.)							Worksheet Faculty Elements										
58	7/31/2002	Review Facilities information.			September-03		X												
59	8/16/2002 Ray	Check "Top 20" reports for statistics that need to be in CMDM. There are several on class size and student/faculty ratio. Also, SACS needs number of courses and student credit hours generated by FT/PT, PTI/TA/Professor, Faculty Rank. NOTE: Faculty rank, designation of PTI and TA are different elements in HRS.						X	EF350, EF106, EF112					X					
60	8/19/2002 Cox	Statistics in "Self Study Report".						X	X					X					
61	8/20/2002	Collect information on the condition of each classroom. (Requested by Data Stewards.)			September-03			Audit going on Fall 2003											
62	8/23/2002	Need cross-reference between FRS/HRS/FES department number and SIS college, department, course prefix, degree and major. (See DQ Tickler. Degree issue raised in meeting by Lu Wang concerning College Profile Report.)			11/10/2003								Tbl 3						
63	8/23/2002	Inability to correctly allocate SIS departments, courses, majors, degrees, etc. shared between two or more FRS/HRS/FES department numbers. (See Policy and DQ Ticklers.) Do we need to build a cross-reference table for the CMDM that identifies all of the "jointly" owned departments, courses, majors, degrees, etc. and how their enrollment, course counts, etc. should be counted on the summary reports? (Meeting with Lu Wang on College Profile Report.)			11/11/2003								Tbl 21						
64	8/23/2002	Do we need to pull salary for faculty to CMDM in case we need to estimate average cost to hire another PTI, TA, Faculty, etc.? <i>(break by instruction \$ versus staff \$)</i>						X	EB304, EC605, EC614										
65	8/23/2002	Various EEO, IPEDS, etc. data used on the calculations of the statistics for the College Profile Report. (Meeting with Lu Wang on College Profile Report.)						New Elements	New Elements?					X					
66	9/9/2002	Need to identify all "Distance Learning" classrooms in some way. <i>(Duplicate with 5/29/02)</i>								X									
67	9/10/2002	TA credentials in HRS for verification of qualifications for teaching courses. (Per PRF-00030 from Connie Ray.) <i>(Duplicate of 5/29/02)</i>																	
68	9/11/2002	External Data: CPE Standards												X					
69	9/11/2002	External Data: Delaware Group																	
70	9/11/2002	External Data: IPEDS data																	
71	9/11/2002	Cross-reference table between FRS and HRS for department, degree programs, and colleges from Barry Rankin. <i>(Duplicate of 2/12/01)</i>																	
72	9/11/2002	Room conditions <i>(Duplicate of 8/29/02)</i>								X									
73	9/11/2002	Equipment conditions <i>(Duplicate of 8/29/02)</i>								X									
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4	9/11/2002	Room classifications (Duplicate of 5/29/02) (Room Use)																
75	9/11/2002	Equipment classifications								X								
76	9/18/2002	Define a statistics list that academic administrators would be interested in having in the data mart. Possible target for % statistic for "% of undergraduate hours taught by full-time faculty", with a suggested goal of reaching 70%. Statistics to be aggregated at the Institutional level, College level and Department level. (9/25/02 CMDM - Information available through SACS reports, Course Demand reports, needs of the deans, or Don Witt.)			3/03, 11/03			New Elements	New Elements					X				
77	9/25/2002 CMDM	A flag is needed in SIS to determine if an instructor is SACS qualified based on the number of hours required. Gary said Connie is working on an input form and process to accomplish this in HRS. The data needs to include the number of hours TAs have and which types of courses the hours apply to. An instructor needs 18 hours in an area at the Master's level. (This data will be stored in HRS, but will not indicate the number of hours, only that the TA has the minimum number of hours required in that discipline. 3/25/03 TA Credentials meeting.)						New Elements										
78	9/30/2002 TA Credentials	Define process for collecting credential information.			Spring 03													
79	9/30/2002 TA Credentials	Match teaching assignment with credentials.						New Element										
80	9/30/2002 TA Credentials	Cross-reference of social security numbers. (see first entry in this spreadsheet)			11/1/2003								Tbl 5-9					
81	10/2/2002 DQ	Need to be able to calculate the ownership of a course by prefix (for costing reports) or by home department (for Delaware Study) of the person teaching the course.						X						X				
82	9/25/2002 CMDM	Need to be able to tie the instructor to the course and qualifications. (Duplicate of 5/29/02, 9/10/02)						New Elements										
83	9/25/2002 CMDM	A history table of social security numbers will need to be build for the data in SIS that can't be changed. (Duplicate of 9/30/02)																
84	12/12/2002 CR	Connie Ray indicated we definitely need to store in the CMDM a table indicating what student ID (SSN) was used to report each student to the CPE by term, with a cross-reference that ties all of these records to a unique individual. Or, we could use an effective term range on each student ID, and tie these records to a unique individual. (Keith Henry generate?)											Tbl 5-9					
85	12/12/2002 CR	Connie Ray decided we need to store the credit hours and FT/PT enrollment status for a student for each of the following definitions/calculations: enrollment statistics, tuition generation and financial aid reporting. (However, she indicated on 1/23/03 we do NOT need to store the corresponding data for the SEVIS definition of FT/PT status.)						New Elements										
86	1/29/2003	Need to get the list of distance education courses from DLTC. (Needed for DQ analysis - Andy Spears)																
87	1/29/2003	Revised definitions, elements and codes for identification of distance learning courses.			October-03	X							Tbl 16					
88	1/29/2003	Strategic indicator data needs to be defined.																
89	1/29/2003	Need degree audit data to assist in determining high/low demand courses.																Future
90	1/29/2003	FES DOE data for instruction.																Future RMDM
91	1/29/2003	Need list of CPE delivery modes and their relationship to the SIS delivery modes.			October-03								Tbl 16					
92	1/29/2003	Revised definition of delivery modes.			October-03	X							Tbl 16					
93	1/29/2003	CPE file data pertaining to first-time full-time students. (Cohort)						X						X				
94	2/12/2003	Combined 4-week and 8 week terms registration and term data.																
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4	2/12/2003	Revised definitions, elements and codes for identification of independent study courses.				X		New Element										
96	2/12/2003	The fiscal year rollover and funding for faculty may also be an issue. Some 8 week effort and revenues are counted in one fiscal year and the rest of the effort and revenues are counted in the next fiscal year.				X												
97	2/26/2003	Revised definitions and codes for the various activity types.				X												
98	2/26/2003	Percentage allocation among activity types.						X							X			
99	3/17/2003	Need a table to map Kentucky counties to Kentucky regions (per CPE file).																RMDM
100	3/18/2003	Need a table of instructor roles (teacher, grader, recitation oversight, etc.)			Oct-03			X					Tbl10		Add 1			
101	3/19/2003	Snapshots of the room and building data needs to be taken at the same time as other snapshots, so changes in these files can be reflected. There is currently no historical audit available.			Sep-03													
102	3/19/2003	Missing information on leased and free space in the Facilities files. (New element? How to determine free, leased, etc (Phyllis))					X											
103	3/20/2003	Need a table of activity types and their contact hour to credit hour ratios.			11/11/2003								Tbl 22					
104	3/20/2003	Total net tuition assessed for a student in each term. (Net is tuition charges less reduction in tuition fees.)			Oct-03			New Element										
105	3/20/2003	Need to have the "average net tuition per credit hour" for each student and term.			Oct-03			New Element										
106	3/20/2003	Total tuition generated for each student in each course section.						New Element										
107	3/20/2003	Total tuition generated for each course section and term.						New Element										
108	3/20/2003	Total tuition generated for an academic department in SIS.												X				
109	3/20/2003	Tuition generated by an instructor for each course and term.						New Element										
110	3/20/2003	Total tuition generated based on the Primary Academic Assignment of the instructors involved in the courses.												X				
111	3/20/2003	Total student headcount by department and college.												X				
112	3/26/2003	Need course demand log data from VIP in Oracle, and course demand data from the web application extracted from the IDMS logs and created in Oracle like the VIP data.									X							
113	4/11/2003	Miscellaneous Graduate student data in the Graduate School's database. For example, GRE and TOEFL scores.																RMDM?
114	4/17/2003	Table of volunteer faculty. Pull from MC Faculty Database? Will enter all in HRS starting Fall 2003 or Spring 2004.						Missing HRS data										
115	4/17/2003	Identification of faculty with joint appointments.							Diane Gagel									
116	4/17/2003	Is FES data in Oracle?																Future RMDM
117	6/4/2003	Flag on summary records to indicate if "drilldown" capable/logical to detail records. (Some summary information cannot be "drilled down" to each level of the organization.)												?				
118	6/25/2003	Need a way to let DA, DBAs and ETL jobs know when any of the IDMS edit/translation tables have changed from the previous load (usually on a daily basis). These staff will then need to talk to the Custodians to determine if any of the changes will require changing any of the ETL business rules. (Phone conversation with Ruby Watts.) DA needs to keep a list of any edit table values that are used as part of the ETL process for determining what data to include or exclude.																
119	9/9/03	Obtain cross reference table for financial and academic department numbers (Ruby Watts' table.)			Oct-03								Tbl 3					
120	9/9/03	Need to build a table tying the Building to the Campus Location. May be a part of the previously identified table for 'campus' designator.			11/11/2003								Tbl 17					
121	9/9/03	Need to build a table tying the Building to the Geographical Location.			11/11/2003								Tbl 17					
122	9/9/03	Obtain element for Gender of Instructor from HRS.							EA016									
123	9/9/03	Obtain Instructor Ethnicity information from HRS							EA018									
124	9/9/03																	

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4	9/9/03	Obtain Instructor Country from HRS.							Future Element									
125	9/9/03	Obtain Instructor State/Province from HRS.							EA104 State/Country									
126	9/9/03	Obtain Instructor County from HRS.							EC609									
127	9/9/03	Need a way to identify the Prior University last attended.						X										
128	9/9/03	Obtain Instructor Prior University from HRS. (Not sure this exists except for degree institution)							EA312									
129	9/9/03	Need a way to identify the High School last attended. (May be moved to Enrollment or RMDM)						X										
130	9/9/03	Need a calculation to aggregate data by calendar year.			11/11/2003								Tbl 2	X				
131	9/9/03	Obtain Employment Time from HRS.			11/10/2003				New Element									
132	9/9/03	Obtain Employment Permanency from HRS.			11/10/2003				New Element									
133	9/9/03	Obtain Employment Status from HRS			11/11/2003				New Element									
134	9/9/03	Dimension BV – May need to look at Instructor Role data in SIS when populated.												X				
135	9/9/03	Obtain other data from HRS.							X									
136	9/12/03	Obtain the Add/Drop Error Type data from the Course Demand data in Oracle.									X							
137	10/22/03	Put "" by cross-listed course on the room usage reports.			X			indicates cross-listed?						X				
138	10/22/03	Flag the usage detail records as either 'non-sponsor/'sponsor' so we can determine which sections appear on room usage reports. Only show one of the cross-listed courses on the reports.			X			sponsor flag						X				
139	10/22/03	For course sections that meet same time and place, and are not cross-listed, list lowest 'section' number on the usage detail and on reports.			X									X				
140	10/22/03	Flag the lowest course 'section' for course sections that meet same time and place that are not included on the room usage reports.						X										
141	10/22/03	Jayna will add the SIS DLTC delivery modes and those used in SIS to the cross reference table Appendix.			Oct-03								Tbl 16					
142	10/22/03	Values of Citizenship Code to determine Asian or Pacific Islander distinction in conjunction with Race Code.			Oct-03								Tbl 13					
143	10/22/03	Missing meeting pattern data: Missing location – default to 'dummy' room, but can still calculate contact hours. (transform)						11/10/03 New Elements						X				
144	10/22/03	Missing meeting pattern data: Missing time – can't calculate contact hour if 'day' and/or 'time' missing.						11/10/03 New Elements						X				
145	10/22/03	Missing meeting pattern data: Missing location and time – flag on CMDM records, and don't use. If 'TBA' is in day or time, then truly is "To Be Arranged" and won't have data.						11/10/03 New Elements						X				
146	11/03/03	Define a Minimal Space Requirement element to reflect courses that don't require a classroom.						New Element										
147	11/03/03	Instructor Requirement. Does the course require an instructor. Example, courses entered for a student's study abroad: MC - - 800 (course identification number), PD - - 099 (course identification number)						New Element										
148	11/03/03	Need the cross-reference between the old and new CIP codes.			11/11/2003								Tbl 23					
149	11/21/2003	New Element - Record to indicate terms in which student is enrolled to track retention. Only want to worry about students who were first-full-time freshmen since Fall 1998 (include students from Summer).																
150	12/12/2003	New element for Foreign National.		AA100														
151	12/12/2003	Blackboard entries should be tracked at the section and course levels.																
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4	12/12/2003 Policy Issues	Element in the IARRCRG record to identify if a course is dropped on or before the last day to add a class.	IARRCRG															
153	12/12/2003 Policy Issues	Term table that has the English translation of the codes	IATA020	RT005														
154	12/12/2003 Policy Issues	Credit hours charged for tuition purposes on a zero credit course, added to the credit hours for normal courses, in order to calculate tuition per credit hour for the student.																
155	12/12/2003 Policy Issues	Create table of the calendar of holidays used in batch programs for contact hours by term.																
156	12/12/2003 Policy Issues	Need to separate part-of-term and full-term course, on weekly analysis, but can merge for term and room statistics.																
157	12/12/2003 Policy Issues	Do a calculation on part-of-term meeting patterns considering dates. Add to the logic on eliminating duplicate meeting pattern records.																
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