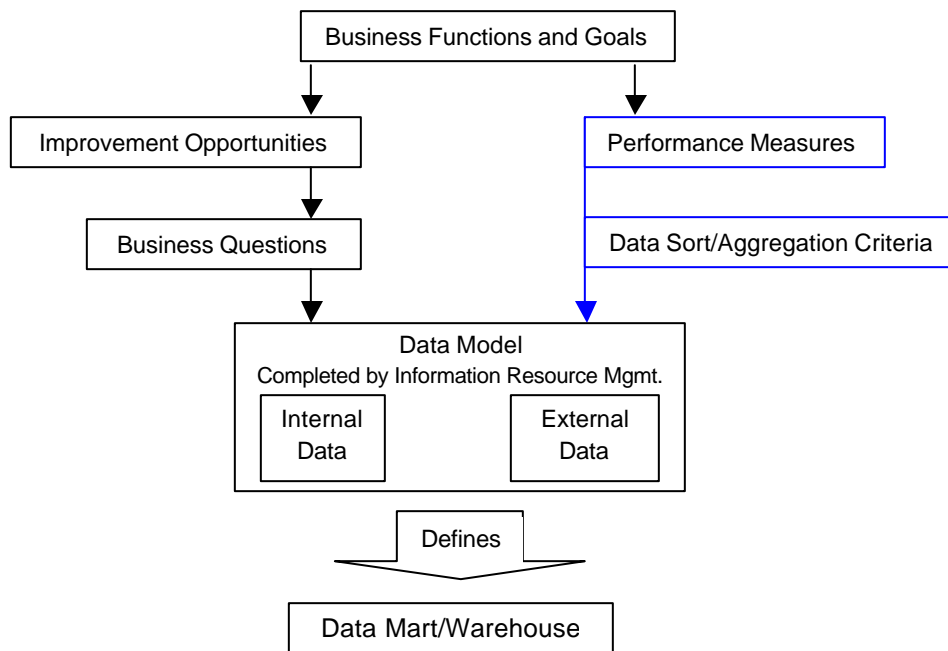


University of Kentucky  
**INFORMATION RESOURCE MANAGEMENT**  
**Information Value Chain**

Department	Contact	Phone	Email
XXXXXXXXXX	XXXXXXXXXX	XXX-XXXX	XXXXX@XXXXXX

**IV Chain TITLE: Course Management**



### Business Functions and Goals:

1. Optimize course offerings to meet student need.

### Improvement Opportunities:

1. Increase number of high demand courses/sections
2. Increase maximum enrollment in sections
3. Eliminate or reduce frequency of low demand courses
4. Improve course meeting patterns and delivery mode
5. Optimize faculty/student ratio
6. Utilization improvement opportunities
  - a. Hours of usage
  - b. % Enrollment to seats
  - c. % Course limit to seats

### Business Questions:

1. What courses are taught during/outside the typical meeting pattern – “prime-times”?
1. What are the characteristics of high/low demand courses?
2. What characteristics of the student are related to demand?
3. What courses can be eliminated or added?
4. Which courses should/can be moved to smaller/larger facilities?
5. What impact does the meeting time and location have on demand?
6. What improvements can be made with/without additional money?
7. What is the cost of teaching/developing the course?
8. What/how many courses are faculty teaching in regard to their instruction DOE?
9. What is the rank of the faculty teaching the course (TA, PTI, tenured, etc.)?

## Performance Measures

1. # of students who do not get any section of the course requested (unmet need)
2. total # of students
3. # and % change by term type of students who do not get any section of the course requested (unmet need)
4. total # and % change of students by term type
5. # of low demand courses (unmet need)
6. # of courses
7. # and % change by term type of low demand courses (unmet need)
8. # and % change by term type of courses
9. # institutional enrollees
10. # and % change by term type in institutional enrollment
11. # hours of room usage in which courses are being taught
12. total # hours of room usage available in which courses are being taught
13. # and % change by term type of hours of room usage in which courses are being taught
14. total # hours and % change by term type of hours of room usage in which courses are being taught
15. % enrollment to seats in room in which courses are being taught
16. total enrollment
17. % and % change by term type enrollment to seats in room in which courses are being taught
18. total enrollment by term type
19. % course limit to seats in room in which courses are being taught
20. % and % change by term type in course limit to seats in room in which courses are being taught
21. Average length of time for full-time students to graduate by year of enrollment
22. % change in average length of time for full-time students to graduate by year of enrollment
23. # courses taught through alternate modes
24. # and % change in courses taught through alternate modes
25. Deleted: # unmet need of seniors (see #1 above)
26. Deleted: # and % change of unmet need of seniors (see #1 above)
27. Deleted: # unmet need in senior/junior by college (see #1 above)
28. Deleted: # and % change in senior/junior by college (see #1 above)
29. # courses below/above optimum faculty/student ratio

30. # and % change courses below/above optimum faculty/student ratio
31. # and % courses taught by faculty rank by course level
32. # and % change courses taught by faculty rank by course level
33. # courses taught outside prime-time
34. # and % of courses by term type taught outside prime-time
35. # (meeting pattern) hours of courses taught outside prime-time by course level
36. # and % change of (meeting pattern) hours by term type of courses taught outside prime-time by course level
37. # credit hours generated by courses taught outside prime-time
38. # and % change credit hours generated by courses taught outside prime-time by term type
39. Deleted: # hours of day a room is in use. Same as #7.
40. Deleted: # and % change hours of day a room is in use. Same as #8.
41. # rooms that don't meet CPE goal on hours of use
42. # and % change in rooms by term type that don't meet CPE goal on hours of use
43. \$ or average cost of a course by delivery mode
44. % change \$ or average cost of a course by delivery mode
45. # of smart classrooms
46. # and % change by term type of smart classrooms
47. # hours taught in smart classrooms
48. # hours taught
49. # and % change by term type of hours taught in smart classrooms
50. # and % change of hours taught by term type
51. # courses taught in smart classrooms
52. # and % change by term type of courses taught in smart classrooms
53. ratio between enrollment to course limit
54. % change by term type of ratio between enrollment to course limit
55. # credit hours generated through alternate modes
56. # credit hours
57. # and % change by term type of credit hours generated through alternate modes.
58. # and % change of credit hours by term type
59. # of courses canceled after the last day to add a course

60. # and % change by term type of courses canceled after the last day to add a course
61. # students who received a closed course message
62. # and % change by term type of students who received a closed course message
63. # of closed course messages received by students
64. # and % change by term type of closed course messages received by students
65. # of students who withdrew from the university after not being able to get any section of a requested course
66. # and % change by term type of students who withdrew from the university after not being able to get any section of a requested course
67. # open sections
68. # and % change by term type of open sections
69. # of open seats
70. # and % change by term type of open seats
71. # courses by activity type
72. # and % change by term type of courses by activity type
73. Deleted. # courses by activity type and level of course (i.e., graduate, undergraduate, professional, etc.)
74. Deleted. # and % change by term type of courses by activity type and level of course.
75. # of courses taught by academic year (for College Profile Report)
76. # and % change in courses taught by academic year (for College Profile Report)
77. # of students enrolled by academic year, college, department and major prefix (1<sup>st</sup> character of major code) (for College Profile Report)
78. # and % change in students enrolled by academic year, college, department and major prefix (1<sup>st</sup> character of major code) (for College Profile Report)
79. # courses by academic year and meeting pattern type (MWF, TR, etc.) (for College Profile Report)
80. # and % change of courses by academic year and meeting pattern type (MWF, TR, etc.) (for College Profile Report)
81. # of course hours taught by academic year and meeting pattern type (MWF, TR, etc.) (for College Profile Report)
82. # and % change of course hours taught by academic year and meeting pattern type (MWF, TR, etc.) (for College Profile Report)

- 83. # credit hours generated by courses by academic year and meeting pattern type (MWF, TR, etc.) (for College Profile Report)
- 84. # and % change credit hours generated by courses by academic year and meeting pattern type (MWF, TR, etc.) (for College Profile Report)
- 85. # FT faculty by academic year (for College Profile Report)
- 86. # and % change of FT faculty by academic year (for College Profile Report)
- 87. average enrollment per Regular FT Faculty by academic year (for College Profile Report)
- 88. # (average) and % change in enrollment per Regular FT Faculty by academic year (for College Profile Report)
- 89. # (average) credit hours per Regular FT Faculty by academic year (for College Profile Report)
- 90. # (average) and % change in credit hours per Regular FT Faculty by academic year (for College Profile Report)
- 91. #(%) classes with start times **NOT** prime-time (9-3) by academic year (for College Profile Report)
- 92. % and % change in classes with start times **NOT** prime-time (9-3) by academic year (for College Profile Report)
- 93. % of class hours on Friday by academic year (for College Profile Report)
- 94. % and % change in class hours by academic year (for College Profile Report)
- 95. # of degrees per Regular full-time faculty (for College Profile Report)
- 96. # and % change of degrees per Regular full-time faculty (for College Profile Report)
- 97. # student demographic breakdown by ethnicity (for College Profile Report)
- 98. # and % change in student demographic breakdown by ethnicity (for College Profile Report)
- 99. # student demographic breakdown by gender (for College Profile Report)
- 100. # and % change in student demographic breakdown by gender (for College Profile Report)
- 101. # of international students breakdown (for College Profile Report)
- 102. # and % change of international students breakdown (for College Profile Report)
- 103. # of faculty demographics breakdown (for College Profile Report)
- 104. # and % change of faculty demographics breakdown (for College Profile Report)
- 105. # administrators/executives/managers demographic breakdown (for College Profile Report)
- 106. # and % change administrators/executives/managers demographic breakdown (for College Profile Report)
- 107. # instructional faculty (for College Profile Report)

108. # and % change of instructional faculty (for College Profile Report)
109. # instructional faculty FTE (for College Profile Report)
110. # and % change of instructional faculty FTE (for College Profile Report)
111. # (average) full-time instructional faculty (for College Profile Report)
112. # (average) and % change full-time instructional faculty (for College Profile Report)
113. average salary for full-time instructional faculty (for College Profile Report)
114. % change of average salary for full-time instructional faculty (for College Profile Report)
115. # square feet of space by room use categories (classrooms, class lab, research lab, etc.) (for College Profile Report)
116. # and % change of square feet of space by room use categories (classrooms, class lab, research lab, etc.) (for College Profile Report)
117. average tuition revenue by student
118. average and % change tuition revenue by student
119. # credit hours
120. # and % change of credit hours
121. # degrees awarded by term
122. # and % change of degrees awarded by term
123. # instructional faculty FTE per IPEDS calculation
124. # and % change instructional faculty FTE per IPEDS calculation
125. # faculty FTE per Operating Budget
126. # and % change faculty FTE per Operating Budget
127. # faculty FTE per CPE reporting
128. # and % change faculty FTE per CPE reporting
129. # student FTE per CPE Frequency reports
130. # and % change of student FTE per CPE Frequency reports
131. # student FTE per IPEDS calculation
132. # and % change student FTE per IPEDS calculation
133. # student FTE per SACS calculation
134. # and % change student FTE per SACS calculation
135. # student FTE per internal calculation
136. # and % change student FTE per internal calculation

- 137. **student/faculty ratio (# Instructional faculty FTE divided by IPEDS student FTE)**
- 138. **% change student/faculty ratio by term**
- 139. **Ratios by department at each of the various course levels (100/200, 300/400, 500 and above) so we can see for example if one social science department is substantially different from others in the way it handles lower division instruction (Mike Nietzel).**
- 140. **A history of low-enrollment courses, especially if we could determine those that start with higher than necessary registrants and then drop below the minimum after the semester begins (Mike Nietzel).**
- 141. **A history of courses showing the drop rates (Mike Nietzel).**
- 142.

## **Data Sort/Aggregation Criteria**

(See attached Data Sort/Aggregation spreadsheet)

### **Internal Data**

1. **College Budgets**
2. **Facilities**
3. **Available Faculty**
4. **Course**
5. **Degree Requirements**
6. **Student**
7. **Course demand**
8. **Course Enrollment**
9. **Institutional Goals**

### **External Data**

1. **Economic Data**
2. **CPE Standards**
3. **Benchmark Data**
4. **Delaware Group Study**