

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

**Performance Measures**

1. # and % decrease of students who do not get any section of the course requested
2. # and % decrease of low demand courses
3. # and % increase in enrollment
4. % usage of classroom capacity
5. Magnitude of reduction in average length of time to graduate
6. # and % increase in courses taught through preferred mode

**Business Questions**

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?
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?

**Data Sort/Aggregation Criteria**

1. By termination (#1 - #6)
2. By Institution (#1 - #6)
3. By College (#1 - #6)
4. By Department (#1 - #6)
5. By Room (#4)
6. By Building (#4)
7. By Student Classification (#1, #3, #5)
8. By Student Major (#1, #3, #5)
9. By Student Residency (In/Out of State) #1, #3, #5)
10. By Student Enrollment status (#1, #3, #5)

**Data Model**

(The Data Model will be completed by Information Resource Management)

Please list all types of data (internal and external) needed to answer or address any of the above items.

**Internal Data**

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

**External Data**

1. Economic Data

Defines

**Data Mart/Warehouse**