Scheduling Requirements
Scope Statement

Document History

Version	Description	Author	Date
1.0	Initial Document	Lori Singer	June 16, 2010
1.1	Updates based on Kick-off meeting	Lori Singer	June 17, 2010
1.2	Updated based on follow-up meetings	Lori Singer	July 8, 2010
1.3	Updated based on Registrar feedback	Lori Singer	July 13, 2010
1.4	Updated from 7/15 Sponsor Meeting – Ready for Sign-off	Lori Singer	July 16, 2010

1   Overview

The Scheduling Requirements Project will gather and document requirements to identify what functionality is needed for a new Scheduling System. The functions and decisions that are in-scope and out-of-scope for both the Requirements and Implementation projects are listed below. This document will be used as a guide for discussions and documentation in future project phases.

1.1   In-Scope

The following are in-scope for the Scheduling Project and will be included in the Requirements and Implementation of a new Scheduling system:

1. Classroom Scheduling
   a. Classroom Scheduling for All Terms
   b. Class Requests including Workflow to interface with Departments
   c. Classroom Schedule Generation (algorithm)
      i. Algorithm will satisfy all required constraints while trying to maximize satisfaction of Department preferences
      ii. All conflicts identified through the algorithm will be included in reporting
   d. Classroom Schedule Review and tools for Scheduling Office and Departments (Pre-publication of Schedule)
      i. All tools will be created based on Scheduling Office needs and will be made available to the Departments.
      ii. No tools will be created based solely on Department requirements
   e. Publication of Classroom Schedule
   f. Allow Changes to Classroom Schedule for Scheduling Office and Departments (Post-publication of Schedule)
   g. Classroom Scheduling Analysis Capabilities
      i. Planning Tool for experimental scheduling (classroom resource planning)
      ii. Reports
2. Student Scheduling
   a. Student Scheduling for All Terms
   b. Undergraduate Students
   c. Graduate Students
3. First-Year Core Quiz Scheduling
4. Final Exam Scheduling (replaces FY'11 project request)
5. Adhoc scheduling of Registrar rooms
6. Adapt Data Interfaces, as required, with:
   a. CIS
   b. WTW
   c. Online Subject Listing
   d. MITSIS Enrollable Subjects
   e. Registration Form
   f. Online Grading
   g. Subject Registrations
   h. MITSIS Section Assignments
   i. Sloan Bidding
   j. Data Warehouse
   k. IAP System
   l. Seminar System

7. Sections:
    a. Data and Functions to support Section needs for all Departments
    b. Decision: How do changes after registration day affect Sections?
    c. Decision: Does the ownership of Student Section Assignments change through the Term?
8. Decision: Should Teaching Data be entered in the Class Request? If so, what systems would need to interface with that information?
9. Modify the IAP system:
    a. Classroom and Student Scheduling of for-credit IAP classes will be part of the new Scheduling system
    b. Create an interface to display for-credit IAP class information on the existing IAP website.
10. Modify the Seminar system:
    a. Classroom and Student Scheduling of Seminar's classes will be part of the new Scheduling system
    b. Create an interface to display classroom information on the Seminar listing.
11. Investigate whether there are any additional system interfaces using Scheduling data that have not been identified in this document.
12. Define the requirements for a Student Scheduling tool (Student Scheduling Assistant)

1.2 Out-of-Scope

The following are out-of-scope for the Scheduling Project and will not be included in the Requirements and Implementation of a new Scheduling system:

1. Department Scheduling Systems
2. Interface with Curriculum Planning System
3. DSL Scheduling System Connection
4. Adhoc Scheduling of non-Registrar rooms
5. Mid-Term Exam Scheduling
6. Gateway
7. Course Picker
8. Modifications to CIS to address limitations regarding half-term and modular subjects

1.3 Sign-Off

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