

Scheduling Solutions

Optimal 100% conflict-free schedules for universities, colleges & technical institutes

Course Scheduler

- Establishes university “course offering”
- Automatically prepares schedules or time-tables for courses and instructors, including the periodic days and hours in which courses must be delivered and instructors will teach
- Modifies schedules easily
- Runs Course Scheduler for course sections by instructor by days and by hours of the week

Action Steps:

- Read course information
- Set instructor preference
- Generate Course schedule

Input:

- Course & section information
- Instructor course cumulative load

← **Output: Optimal course schedule / time-table**

Classroom Scheduler

- Efficiently allocates courses into their respective classrooms according to room capacity, class size and class equipment requirements
- Automatically generates your classroom schedules with visual reports, allocating different courses to separate rooms and buildings
- Account for an array of variables and scheduling preferences
- Allows modification and rescheduling of certain courses or rooms
- Requires only Room and Course data files to generate schedules

Action Steps:

- Read course scheduling information
- Read facilities information
- Generate classroom schedule

Input:

- Course schedules
- Student course registration
- Facilities (rooms, labs, halls, etc.) location, capacity & features

← **Output: Optimal allocation of courses to rooms & facilities**

Alternative Scheduler (Common Time Locator)

- Automatically finds the best conflict-free time to schedule alternative sessions, makeup classes and/or events taking into consideration professor(s) and related students schedules
- Automatically locates the common free time of all students registered in a specific course section
- Uses Classroom Schedule and Basic Student Information to get easy-to-use visual reports of scheduled and free time slots
- Can be used in conjunction with Classroom Scheduler & Exam Scheduler modules

Action Steps:

- Read student registration
- Read facilities information
- Identify common time slots

Input:

- Student registration data
- Classroom schedule

← **Output:** **Conflict-free alternative sessions, makeup classes, or events for students and instructors.**

Exam Scheduler

- Creates conflict free exams for all students
- Allows you to get 100% conflict-free midterm, final or other university-wide or college-wide examinations
- Automatically generates, in minutes, exam schedule for tens of thousands of students
- Requires a standard and dedicated computer
- Provides students with minimal back-to-back exams
- Helps administration in assigning exams while taking into account room capacity, professor preferences, and other constraints

Exam Scheduler is a joint venture partnership between the American University of Beirut (AUB) Office of Grants and Contracts and White Mountain Technologies. AUB has proven, semester after semester, that Exam Scheduler is the optimal solution to scheduling examinations for thousands of students.

Action Steps:

- Read course scheduling information
- Read facilities information
- Generate exam schedules

Input:

- Student registration in courses
- Facilities (rooms, labs, halls, etc.) location, capacity & features

← **Output:** **Optimal examination schedule / timetable**

