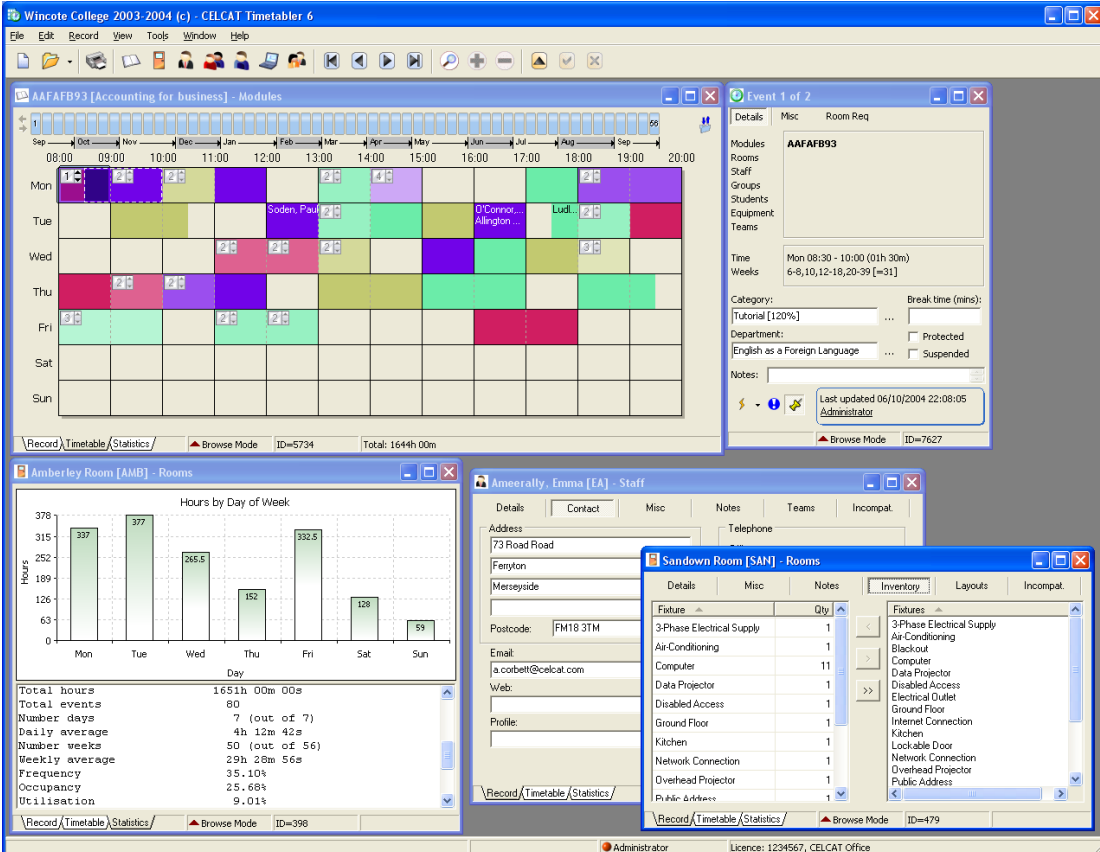


Data Sheet

CELCAT® *Timetabler* is an interactive package for PCs that drastically reduces the amount of time spent on constructing and maintaining timetables. The *Timetabler* software runs on *Windows*® and uses the *Microsoft*® *SQL Server* database. An intuitive graphical user environment combined with robust multi-user operation and flexible web access enables institutions to offer unparalleled support for the teaching timetable.



The screenshot displays the CELCAT Timetabler software interface. The main window shows a timetable grid for 'Accounting for business' modules, with a time slot from 08:00 to 20:00 and days from Monday to Sunday. A right-hand pane shows details for 'Event 1 of 2', including 'Misc Room Req', 'Modules: AAFAFB93', and 'Time: Mon 08:30 - 10:00 (1h:30m)'. Below the main window, there are two smaller windows: 'Amberley Room [AMB] - Rooms' and 'Sandown Room [SAN] - Rooms'. The 'Amberley Room' window features a bar chart titled 'Hours by Day of Week' and a table of statistics. The 'Sandown Room' window shows a list of room features and their quantities.

Day	Hours
Mon	337
Tue	377
Wed	285.5
Thu	152
Fri	332.5
Sat	128
Sun	59

Category	Value
Total hours	1651h 00m 00s
Total events	80
Number days	7 (out of 7)
Daily average	4h 12m 42s
Number weeks	50 (out of 56)
Weekly average	29h 28m 56s
Frequency	35.104
Occupancy	25.58%
Utilisation	9.01%

Feature	Qty
3-Phase Electrical Supply	1
Air-Conditioning	1
Computer	11
Data Projector	1
Disabled Access	1
Ground Floor	1
Kitchen	1
Network Connection	1
Overhead Projector	1
Public Address	1

Features

Usability

- PC and web-based clients.
- Drag and drop timetable editing (within and between timetable grids).
- Optional automated scheduling engine supporting complex constraints and goals.
- Unlimited numbers of resources (staff, rooms etc).
- Seven resource types (Modules, Rooms, Staff, Groups, Students, Equipment and Teams) and eight classification types (Courses, Departments, Event Categories, Faculties, Fixtures, Layouts, Supervisors and Sites).
- Equipment tracking.
- Staff team membership.
- Group/student and group/sub-group membership structure - to any level.
- Dynamic Usage Charts to quickly identify availability.
- SMS communicate with staff and students.
- Undo and Redo (up to 100 operations).
- Web access to timetables to view and modify (web server supplied). No special browser controls required.
- Resource booking for subsets of an event's weeks.
- User-defined terminology (e.g. change "student" to "pupil").
- Inter-site travel times.
- Scheduling of bank holidays and other 'global' events.
- Fixed and preferred resources for Modules and Groups.
- Inventory of fixtures and fittings for each room assists in room selection.
- Default and alternative seating layouts (and capacities) for each room.
- 'Incompatible' resource combinations.
- Special needs of staff and students accommodated.
- Resource and event notes, and user-defined 'tags'.
- Charges for room and equipment use.
- Configurable grid axes.
- Custom event creation (for unusual durations and start offsets).
- Event granularity of 1 minute.
- Descriptive names for weeks and week spans.
- Colour-coded events (by event category, department or faculty).
- Import directly from *Timetabler v5* and other software systems.
- Import using CSV.
- Export to CSV.
- Rollover Wizard to create next year's timetable based on the current one.
- Advisers offer advice on availability and suitability of rooms, staff and times.
- Statistics for resources at a glance.

Security

- Comprehensive security with strong encryption.
- LDAP support.
- Comprehensive user and role based access rights from a global level to that of individual resources. Ability to assign multiple roles per user.
- Multi-user and network-ready. Comprehensive logging of all activity.
- Separate Administrator application.
- Administrator can enforce timetable options and preferences for selected users.

Printing/Publishing/Reporting

- Comprehensive timetable grid and list printouts.
- *Adobe® Acrobat®* PDF creation.
- Automatic notification of timetable changes using SMS and email.
- Automatic update of staff/student calendars (interoperability with *Microsoft® Exchange Server* or *Outlook*).
- Send timetables or event confirmation by email (in PDF).
- Automatic or manual publication of timetables to intranet or web using html and/or PDF
- Statistical analysis of resource use (including standard room utilisation figures).

Clash Checking

- Clash checks: Double-booked resources, inadequate rooming, inefficient rooming, extensive room layout changes, inadequate fixtures in a room, incompatibilities between resources allocated at the same time, insufficient break and lunch times, insufficient staff free days, insufficient travel time for staff/students or for setting up equipment, missed teaching targets, inadequate staff/student ratio, excessive staff/student ratio, incomplete events.
- Dynamic or retrospective clash checking.
- Advisers help resolve clashes.

Architecture

- Multi-tier architecture for ease of maintenance and scalability.
- Industry standard SQL implementation & published data schema – easily integrate into your own systems.
- Software Integration Plugins for bespoke integration of your MIS or other software systems.
- Bespoke reporting available.
- COM Library programming interface – create your own applications that read/write *Timetabler* data.



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