



AURORA- DentalResident

OPTIMIZED DENTAL SCHOOL SCHEDULING

The schedulers have several goals, including making sure that:



All students have
all necessary
experiences



Student
experiences are
equitable, in cases
where there may
be some variation



Clinics are
appropriately
staffed



Rooms are
appropriately
allocated,
including taking
other programs
and special events
into account

New York University College of Dentistry uses Aurora to schedule their DDS students through four years of training. As the biggest dental school in the US, NYU has 375-400 students per class, with about 1500 students at any given time.

Stottler Henke
Smarter Software Solutions



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D1 & D2 (YEARS 1 & 2)

The first two years of training are highly structured. Students go through lectures, labs, etc. with a group of students in their section. The sections form a hierarchy, and the number of students who can be accommodated by an experience determines the appropriate section to schedule.

D3 & D4 (YEARS 3 & 4)

The second two years, D3 and D4, are more complicated because a series of clinic experiences are layered over the didactic schedule. There is still a significant amount of didactic coursework that is scheduled on a section level, but the clinical experiences are scheduled on a per-student level, because not too many students can be absent from the atomic sections at the same time. For D3 and D4, the concern is to minimize overlaps between the clinic experiences and the didactic experiences. However, overlaps are sometimes inevitable, and so it is important for the system to understand what overlap are acceptable; which are to be avoided but are acceptable in a pinch; and which are unacceptable. A series of preemption information dictates this logic.

Aurora can allocate students to clinical experiences, taking the preemption relationships into account in order to satisfy staffing and experience requirements while minimizing preptions.

Aurora-DentalResident offers a variety of export capabilities, in order to best communicated to a large range of people, including:

- Course-level schedules
- Student-level schedules
- Student rosters
- Clinic availabilities