

Cornell's Mixed-Integer-Programming Scheduler Eliminates Direct Exam Conflicts for 18,000 Students a Semester

AI in Education · Good practice · United States of America

Quality score: 47/100

Evidence strength: Observational / pre–post

Summary

Cornell's Scheduling Team replaced lecture-time-based exam scheduling with a mixed-integer-programming optimizer. Over five semesters (2022-2024) it cut direct conflicts from 376-790 to zero per term for up to 18,000 students, per a peer-reviewed INFORMS study.

Key dimensions

Dimension	Score
Evidence of learning impact	1/3
Equity & inclusion	1/3
Transparency, ethics & data protection	2/3
Teacher capability & pedagogy	0/3
Scalability & sustainability	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-08

[Cornell University — Office of the University Registrar / Cornell Scheduling Team](#) — accessed 2026-08-08

[arXiv preprint](#) — accessed 2026-08-08

[INFORMS Journal on Applied Analytics](#) — accessed 2026-08-08

[Cornell Network Science course blog: Final Exam Scheduling](#) — accessed 2026-08-08

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