

Course-Integrated AI Tutor — Randomised University Trial Finds Lower Final Grades (Maryland EDSI Research Team)

AI in Education · Good practice · United States of America

Quality score: 27/100

Evidence strength: Cautionary / limited

Summary

A fall-2025 randomised trial (2,379 undergraduates, 30 instructors) found that offered access to a GPT-4o course tutor lowered final grades by 0.37 SD and LMS participation by 0.90 SD — a rigorous cautionary case.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-10-08

[University of Maryland EDSI \(research team\); large U.S. public university \(site unnamed\)](#) — accessed 2026-10-08

[Working paper \(EdWorkingPapers\)](#) — accessed 2026-10-08

[EdTech Innovation Hub report](#) — accessed 2026-10-08

[EDSI publication page](#) — accessed 2026-10-08

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