

## AI'S IMPACTS ON TEACHING AND LEARNING

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**Colleges and universities are working to understand and adapt to advanced computer tools that challenge some of higher education's foundational structures.**

Most colleges and universities have taken steps to adjust to the rise of generative artificial intelligence (GenAI). Nearly 7 in 10 higher education leaders (69%) reported that their colleges and universities have adopted written policies about appropriate uses of GenAI tools in teaching and learning. 44% said they have created new classes devoted to AI, and a fifth have created majors or minors in AI.

While 38% perceived their own institution to be average in using GenAI for teaching, learning, and other activities, 28% said their college or university was below average, and 7% said they were far behind.

Majorities of college and university leaders said their institution was not very or not at all ready to use GenAI for such things as preparing students for the future (56% said they were not ready for this), preparing faculty to use GenAI for teaching and mentoring (53% felt unprepared), and helping non-faculty staff use these tools for work (63% felt unprepared). Nearly 6 in 10 leaders (59%) reported last spring's graduates were not prepared for work in companies where skill in using GenAI tools is important.

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**45% of higher education leaders think GenAI's impact on teaching and learning will be more positive than negative.**

91% of leaders believe that GenAI tools will enhance and customize learning over the next five years. Two-thirds of academic leaders (67%) said student learning outcomes will improve at their college or university because of GenAI tools.

- 75% think GenAI tools will improve student research skills.
- 69% think GenAI tools will increase students' ability to write clearly and persuasively.
- 66% think GenAI tools will increase student creativity.

70% of leaders believe the quality of student assignments will improve because of faculty use of GenAI tools.

- 68% think GenAI tools will relieve faculty of routine work.
  - 68% think GenAI tools will help faculty research.
  - 54% think GenAI tools will improve the quality of lectures and lessons.
  - 51% think GenAI tools will improve feedback and grading of student performance.
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**Only 17% of higher education leaders think the impact of GenAI on teaching and learning will be more negative than positive.**

95% of leaders expect that GenAI tools will increase concerns about student academic integrity over the next five years. 59% of leaders reported that cheating has increased on their campuses since GenAI tools have become widely available; 21% said it has increased a lot.

In addition, 81% of leaders believe GenAI will impact digital divides, and two-thirds of leaders think GenAI will diminish student attention spans. 92% of leaders think students will come to over-rely on GenAI tools.