its **Information Technology Services**
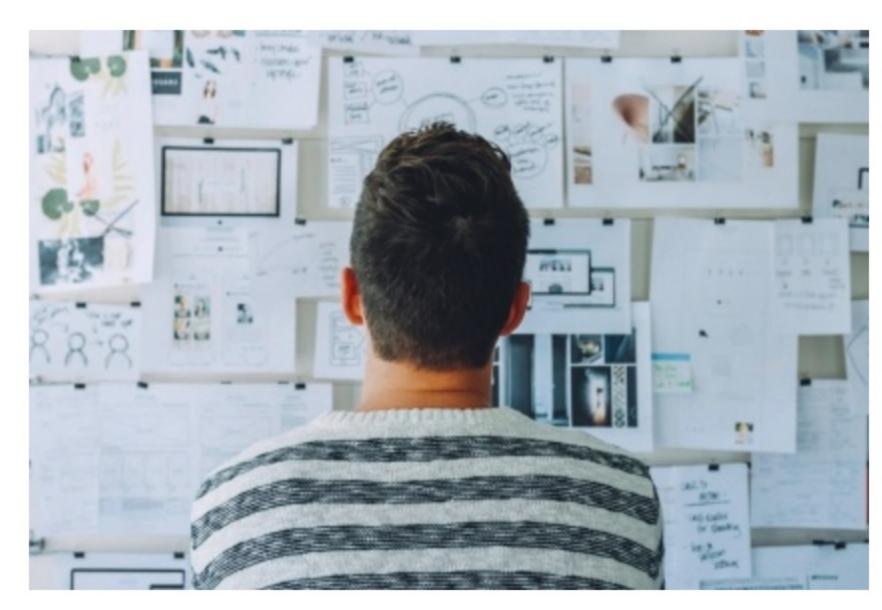**Office of Teaching, Learning & Technology**

Contact Us | Staff Directory

Home » News

Iowa Instructors Awarded $95,939 for Innovative Teaching Projects

Print 🖶

January 31, 2023

This year's Innovations in Teaching with Technology Awards (ITTA) recipients are exploring a range of opportunities, from building a tool to assess language proficiency to developing a learning analytics infrastructure to streamline personalized feedback in large courses.

A Tool to Self-Assess Language Proficiency to Improve Engagement and Facilitate Goals Setting

Giovanni Zimotti, director of Spanish Language Instruction, and Claire Frances, director of the Center for Language and Culture Learning, were awarded $15,200 to develop an app for language learners that will use the NCSSFL-ACTFL Can-Do Statements ⧉ as well as questions from Learning at Iowa's Metacognitive Awareness Inventory ⧉ to engage learners in self-assessment and metacognition and increase their self-regulation and sense of efficacy as learners.

Phase 2: AI Enabled Intelligent Assistant for Personalized and Adaptive Learning and Advising

Ibrahim Demir, associate professor of civil and environmental engineering, was awarded $30,067 for the second phase of the AI Enabled Intelligent Assistant (AIIA) for Personalized and Adaptive Learning and Advising project. The funds will be used to develop a prototype framework for an AI-Enabled Personalized Smart Assistant and pilot it in two courses (undergraduate and graduate).

Rodeostats: Lassoing Pythons in Lab

Johna Leddy, associate professor of chemistry, and Josh Coduto, graduate research assistant, were awarded $9,680 to develop undergraduate labs that introduce students to electrochemistry, a field that relates to energy and advanced technologies, such as batteries. Students will become familiar with the most popular instrument for electrochemists (the potentiostat) and work with Python to operate the open source hardware.

Building Learning Analytics Infrastructure to Provide Timely, Personalized Feedback

Adam Brummett, lecturer in chemistry, and Jane Russell, director of Office of Teaching, Learning, and Technology Research and Analytics, were awarded $40,992 to develop a learning analytics infrastructure that will aggregate and merge data created by students' interactions with learning technologies to generate insights into engagement patterns with course materials and tools. This infrastructure will streamline the process for sending targeted messages to students based on behavioral and/or performance goals, supporting all students and lowering the barrier to providing personalized feedback in large courses.

Funded through student technology fees, the ITTA support significant, innovative projects that show the potential to improve teaching and learning at the University of Iowa. ITTA has provided over $1.8 million to innovative teaching and technology projects since 2001.

Audience Links

Faculty

Early Career Instructors

Graduate Students

Instructional IT Staff

Quick Links

About Us

Staff

A - Z

Request a Teaching Consultation ⧉