Pata Rujirawat

3056 NW Thistle Pl.
Corvallis, OR 97330
rujirawatpata@gmail.com | 435-881-9721

Professional Summary

Innovative and dedicated educator with 11 years of experience as a faculty lecturer at Utah State University, specializing in curriculum development, instructional design, and leveraging technology to enhance student learning. Expertise in designing accessible, inclusive, and engaging learning experiences for diverse student populations in face-to-face and online environments. Adept at managing complex projects, collaborating with cross-functional teams, and utilizing cutting-edge educational technologies to drive student success. Passionate about creating equitable educational opportunities and fostering a culture of continuous improvement.

Key Skills

- Instructional Design & Curriculum Development

- Project Management & Stakeholder Collaboration

- Universal Design for Learning (UDL)

- Evidence-based Teaching

- Technology Integration & Learning Platforms (Canvas, Atomic Assessments, Zoom, Microsoft Team, Proctorio, MyOpenMath)

- Educational Technologies (LaTex, Markdown, Python, R, Jupyter Notebook, Git, github, Desmos, Geogebra, WolframAlpha, Qualtrics Microsoft OneNote, Microsoft PowerPoint, Microsoft Excel, Microsoft OneDrive, Box, iClicker, Top Hat, Camtasia)

- Open Educational Resources (OER) Development

- Faculty Training & Professional Development

Professional Experience

Lecturer, Department of Mathematics and Statistics   08/2012-06/2023
Utah State University

- **Instructional Design and Curriculum Development:** Designed and developed online courses, including *Statistics for Scientists and Engineers* and a Competency-Based Education (CBE) online *College Algebra* course. Integrated Universal Design for Learning (UDL) principles to ensure accessibility and inclusivity for all students in both face-to-face (F2F) and online courses.

- **Open Educational Resources (OER):** Created and implemented OER materials for *College Algebra*, *Trigonometry*, and *Calculus Techniques*, reducing student costs while maintaining high-quality resources. Adapted assignments, quizzes, and class handouts under Creative Commons licenses.

- **Technology Integration:** Expertise in Canvas LMS, implementing features like external app integrations (MyOpenMath, Proctorio, Desmos) and embedding multimedia resources to create engaging and interactive learning environments.

- **Large F2F Course Management:** Oversaw consistency across multiple recitation sessions for large lecture courses (100-250 students) by developing detailed rubrics, handouts, and instructional guides for graduate teaching assistants, together with observations and collaborations.

- **Assessment and Quality Assurance:** Conducted quality checks for course content and assessments, ensuring alignment with learning objectives and technical specifications.

Selected Achievements

- Pioneered the adoption of open source textbooks in the department, saving students significant costs.

- Developed numerous course materials adapted from OER, creating reproducible materials for faculty use.

- Practiced evidence-based teaching by aligning outcomes to rubrics via Canvas.

- Introduced innovative assessment methods, including variety of technologies for alternative assessments (e.g. Atomic assessment via Canvas, Flipgrid, MyOpenMath, iClicker, TopHat etc.), fostering deeper student engagement and reflection.

- Received a small grant from College of Science, USU to advance the Open Educational Resource initiative for College Algebra and Introduction to Statistical Methods.

Community Engagement & Service

- Started the departmental chapter of the Association for Women in Mathematics, fostering inclusivity and mentorship in mathematical sciences.

- Organized department teaching showcases to share pedagogical innovations, technological advancements and best practices.

- Peer mentor for faculty, providing guidance on instructional technologies and innovative course design.

- Participated in Math/Stat Education Group to explore innovative teaching practices.

- Provided mentorship and supervision for graduate teaching assistants in large lecture courses.

- Assisted refugees and immigrants with essential tasks such as scheduling appointments, paying bills, filling out applications, and navigating medical systems, fostering strong community ties and cultural understanding.

Education

Master of Science in Mathematics and Statistics
Minnesota State University, Mankato, 2008

Master of Science in Economics
Utah State University, 2002

Professional Development & Certifications

- Workshop: Scientific Teaching (Evidence-Based Teaching), Olympia, WA (2018)

- Utah Council of Teachers of Mathematics Conference, Draper, UT (2018)

- Webinar: Global STEM Education Program, University of Oregon (2020)

- CIDI Workshops and Professional Development Pathway, USU