

UCR LIBRARY 2024 DEPARTMENT HIGHLIGHTS

Research Services

Orbach Library Impact

- Over 3,000 patrons served daily with 1,200+ support inquiries addressed, 1,300 posters printed and learning enhanced through 840+ participants in Creat'r and Robotics Lab workshops from VR to 3D printing.

Aerial Photo Collection Upgrade

- A collaborative project across Conservation, Digital Initiatives, and Metadata & Technical Services to modernize the library's aerial photo collection, showcasing exceptional interdepartmental teamwork.

Research Collaborations

- Partnerships with Bioengineering and Chemistry to develop underwater sonic detectors and a strain-stress apparatus.

Creat'R Lab Student Programming Success

- Block Party VR Booth (Sept. 2024): Engaged 5,000 students.
- The Flash Helmet 3D Printing (Oct. 2024): Attracted 800 students.

Innovative Academic Research/Teaching Collaborations

- Integrated courses with Professor Carlo DaVia: VR-Ancient Rome (120 students) and Ancient Greece (98 students).
- Integrated Bioengineering course with Professor Robert McKee (109 students) using SolidWorks 3D modeling.

Robotics Students Learning Outreach

- Month-long robotics camp, giving 16 students hands-on experience in designing and building robots.

Academic Program Support

- Contributed to preparations for the new Master of Public Health program (Fall 2024) and the LCME accreditation review for the School of Medicine.

Grant Initiatives

- Proposed a 3D/VR cultural center for the Ohlone Costanoan Esselen Nation.
- Advanced grant efforts to establish a Sustainable SoCal PLA recycling infrastructure for the 3D Printer Lab.