Project Overview:

The California Learning Lab Team of the University of California, Los Angeles (**UCLA**) and California State Polytechnic University, Pomona (**Cal Poly Pomona**) are seeking **15 faculty members** to develop the resources for the California Intersegmental Discipline (C-ID) courses. The C-ID is a statewide system that facilitates the transfer of lower-division general education courses between California Community Colleges (CCC), California State University (CSU) campuses, and University of California (UC) campuses.

This RFP invites proposals from experienced faculty with expertise in

1) (C-ID ENGR 130) **Statics**
2) (C-ID ENGR 150) **Engineering Graphics**
3) (C-ID ENGR 180) **Surveying**
4) (C-ID ENGR 220) **Programming and Problem-Solving in MATLAB**
5) (C-ID ENGR 230) **Dynamics**
6) (C-ID ENGR 240) **Strength of Materials**, and
7) (C-ID ENGR 260/L) **Circuit Analysis**.

This project aims to ensure the curriculum meets rigorous standards and provides students with a strong foundation for transfer success. The selected faculty members will play a crucial role in creating high quality supplemental materials that will identify key concepts, assess the needs for students and faculty, and develop supplemental instructional materials.

Scope of Work:

Each selected faculty member will be responsible for the following:

1. **C-ID Alignment**
    - To examine the C-ID course(s) assigned to the faculty member. This RFP specifically focuses on C-ID courses ENGR 130 (**Statics**), ENGR 150 (**Engineering Graphics**), ENGR 180 (**Surveying**), ENGR 220 (**Programming and Problem-Solving in MATLAB**), ENGR 230 (**Dynamics**), ENGR 240 (**Strength of Materials**), and ENGR 260/L (**Circuit Analysis**).
    - To identify and analyze the key concepts that are fundamental for students to grasp in the courses.
    - To map the key concepts to the current curriculum for the assigned courses at your institution.
    - To evaluate the alignment between the existing curriculum and the C-ID descriptions and propose adjustments to ensure they are fully aligned.

2. **Survey of Faculty and Students**
    - To develop and administer a survey to both faculty and students currently involved in C-ID ENGR 130, ENGR 150, ENGR 180, ENGR 220, ENGR 230, ENGR 240, and/or ENGR 260/L. The survey will identify critical challenges faced by both groups in teaching and learning the subject matter.
    - To analyze survey data and provide a comprehensive report.
3. **Diagnostic Test**
    - To develop a diagnostic test to evaluate students' understanding of the key concepts identified in the C-ID course (ENGR 130, ENGR 150, ENGR 180, ENGR 220, ENGR 230, ENGR 240, and/or ENGR 260/L). This test will be used to assess student preparedness and identify areas where supplemental instruction is needed. The test questions should be designed to be evaluated automatically using the Learning Management System (Canvas).
4. **Bridge Module Development**
    - To develop "bridge" modules to serve as supplemental instruction based on the needs assessment and diagnostic test results. These modules should address identified knowledge gaps and reinforce critical concepts.
    - To deliver online and include engaging elements such as interactive exercises and multimedia using the Learning Management System (Canvas).
5. **Accessibility**
    - To ensure that all developed materials are 100% accessible.

Intellectual Property:

The selected faculty members agree that all materials developed for this project will be the intellectual property of the California Learning Lab Project Team. The Project will have the right to share, use, and adapt these materials for educational purposes.

Milestones (Progress Check Points)

- Application deadline (10/24/2025)
- Notification to the selected faculty members (10/31/2025)
- Milestone 1: Completion of C-ID alignment and curriculum mapping (11/30/2025)
- Milestone 2: Completion of faculty and student surveys (12/15/2026)
- Milestone 3: Development and submission of diagnostic test (1/31/2026)
- Milestone 4: Development and submission of bridge modules (3/31/2026)
- Milestone 5: Creating the CSU Canvas Page (4/15/2026)

A total Stipend ($4,500) will be paid after the satisfactory completion of all deliverables for all five milestones.

Qualifications

- Familiarity with the C-ID framework and the importance of course alignment.
- Demonstrated experience teaching Statics C-ID ENGR 130 (**Statics**), ENGR 150 (**Engineering Graphics**), ENGR 180 (**Surveying**), ENGR 220 (**Programming and Problem-Solving in MATLAB**), ENGR 230 (**Dynamics**), ENGR 240 (**Strength of Materials**), and ENGR 260/L (**Circuit Analysis**).
- Strong understanding of effective pedagogical practices, particularly in online or hybrid learning environments.

Proposal Submission

Interested faculty members should submit the following materials electronically to Dr. Jeyoung Woo, Ph.D. (jwoo@cpp.edu) by **October 24, 2025.**

- Cover Letter
- Curriculum Vitae (CV)
- Module Development Plan: Outlining the proposed approach to module creation, including a timeline, key features, and assessment strategies (2 pages max).
- Previously offered course syllabus (ENGR 130, ENGR 150, ENGR 180, ENGR 220, ENGR 230, ENGR 240, and ENGR 260/L)
- Sample Materials: Providing examples of previous instructional materials or course development work (optional).

A faculty member may propose more than one course but must submit a separate proposal for each course.

Selection Process

The team expects **THREE** faculty members (three awards) for each of the C-ID courses ENGR 150, ENGR 180, ENGR 230, and ENGR 240, and **ONE** faculty member (one award) for each of the C-ID courses ENGR 130, ENGR 220, and ENGR 260. Proposals will be evaluated based on the following criteria:

- Alignment with project goals and objectives
- Demonstrated expertise in the subject matter and C-ID alignment
- Quality and feasibility of the proposed approach
- Prior experience in curriculum development and assessment

Contact Information

For questions or clarifications, please contact

- M. Ronald Yeung, Ph.D., PE / Associate Dean, College of Engineering, Cal Poly Pomona (mryeung@cpp.edu)
- Jeyoung Woo, Ph.D., PE / Associate Professor, Department of Civil Engineering, Cal Poly Pomona (jwoo@cpp.edu)

Disclaimer

The California Learning Lab Team (Cal Poly Pomona & UCLA) reserves the right to accept or reject any or all proposals, to waive any informalities or irregularities in the proposals received, and to select the proposal that best meets the institution's needs.

We encourage all qualified faculty to submit proposals and contribute to this vital initiative.