### California Education Learning Lab

# **Scoring Rubric for Full Proposals**

## RFP #1: "Improving Equity, Accessibility and Outcomes for STEM Gateway Courses"

#### Proposal Title:

#### Section A: Responsiveness to Full Proposal Questions (Pages 8-10 of RFP, Feb. 8 version)

Section F of the RFP contained 12 categories of questions for applicants to answer in a maximum of 15 pages total. The space allotted to project teams to answer each question is given in parenthesis at the end of each category. Please evaluate the responses pursuant to the following:

- For items 1-8, please use the following key to evaluate each response: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent
- For items 9-10, please indicate "Acceptable" or "Not Acceptable" in your evaluation.
- Note: Questions 11 and 12 of Section F of the RFP request two additional responses regarding

   specific issues that the Selection Committee raised with the applicants' concept proposal;
   and 2) how the proposal will address accessibility. You do not need to score or evaluate the
   responses to Question 11 and 12, so no boxes have been provided for scoring or evaluation in
   this rubric.

Category					Optional Brief Comments
1. <u>How will y</u> response will particular dis will include d any specific e	our proposed I clearly identi ccipline or disc lata/metrics to equity/achieve				
<ul> <li>In addition, a strong response will connect the identification of a problem of STEM student learning (and supporting data/metrics) to:</li> <li>A clear description of the learning outcomes to be measured, over what time period, and the validity of those outcome measures;</li> <li>An explanation of how the proposed project will evaluate students and faculty and what it will measure (this may include changes in retention, proficiency, or competency; in conceptual understanding, self-efficacy and other skills; or in other aspects of pedagogy and learning); and</li> <li>A description of how the proposed project will improve understanding of learning science and/or assessments, and/or improve effectiveness of pedagogical methods and/or adaptive learning technologies.</li> </ul>					
Evaluation for Question 1:					
1	2	3	4	5	
Poor	Fair	Good	Very Good	Excellent	

2. <u>Project plan:</u> A strong response will describe the major components and timeline of the proposed project, including specific aims and research strategy, and will describe in detail the steps to be undertaken and by whom. A strong response will describe a feasible project plan that can be achieved within the proposed timeline. (See Section V., Subsection A. Selection Criteria: Selection Committee additional factors on pages 10- 11.) (Response length: 1-1 ½ pages)					
Evaluation for	Question 2:				
1	2	3	4	5	
Poor	Fair	Good	Very Good	Excellent	
3. <u>Data and adaptive learning technologies</u> : A strong response will demonstrate commitment to use robust data and technology tools, including adaptive learning technology. <sup>1</sup> A strong response will describe how the project will use real-time learning outcomes data and adaptive learning technology and other technology tools to improve pedagogy or curriculum. (Response length: 1 page)					
Evaluation for	Question 3:				
1	2	3	4	5	
Poor	Fair	Good	Very Good	Excellent	
4. <u>Learning scie</u> proposed proje supported by r and other relev proposed peda successful peda In addition, a s grounding in th different parts proposal will de					
human learning design and evid bibliography of Evaluation for (	g, with an expli- dence gatherin key sources in Question 4:	cit hypothes g. (Response Appendix C)	is, analytic fram length: 1 page,	with a 1-page	
1	2	3	4	5	
Poor	Fair	Good	Very Good	Excellent	

<sup>&</sup>lt;sup>1</sup> For the purposes of this RFP, adaptive learning technology refers broadly to technology to better understand learner experience and to modify learning environments, pedagogical approaches and/or available resources to create a more inclusive learning experience and produce better learning outcomes.

5. <u>Student engagement</u> : A strong response will contain a well-articulated approach to student engagement, potentially including engagement of students who may not think of themselves as being proficient in STEM.						
<ul> <li>Examples of approaches to student engagement may include, but are not limited to:</li> <li>Increasing students' sense of belonging, and encouraging students' help-seeking behavior from faculty, teaching assistants, other students, technology resources, etc.;</li> <li>Engaging with students through active learning, applied learning through a career or workforce pathway lens, and/or highly contextualized learning;</li> <li>Explaining how, through the proposed approach, students might drive their own learning and/or the learning of their peers;</li> <li>Explaining how the project will individualize learning or use metacognition; and/or</li> <li>Identifying how often students will receive meaningful and timely feedback, whether through a technology-mediated environment or face-to-face.</li> <li>Note: A strong response need not include a particular number of approaches to student engagement, but it will display a commitment to student engagement and contain a well-articulated approach for increasing student engagement. (Response length: 1 page)</li> </ul>						
Evaluation for						
1	2	3	4	5		
Poor	Fair	Good	Very Good	Excellent		
6. <u>Culture</u> : A strong response will explain concretely how the proposed project will impact and/or change traditional "classroom" and disciplinary culture (i.e., educational culture specific to that discipline).						
<ul> <li>Examples may</li> <li>Explaining disciplinary students' s</li> <li>Encouraging student les students c</li> </ul>						
<ul> <li>Identifying ways to take advantage of underrepresented communities' cultural strengths to increase their achievements in STEM.</li> </ul>						
(Response len	-					
Evaluation for	Question 6:	_		_		
1	2	3	4	5		
Poor	Fair	Good	very Good	Excellent		

7. <u>Scalability and value analysis:</u> A strong response will describe how the proposed project can be scaled, made affordable, or replicated, and/or modified through an open educational resources model. A strong response will also indicate what other dimensions of value can be evaluated in the project and what other data the project team will analyze and with whom it will partner to do that analysis.						
In addition, a strong proposal will describe the depth and breadth of institutional support for making successful practices normative within the discipline(s), and how faculty will be encouraged or incentivized to adopt successful practices. In evaluating the quality of the response, please consider to what degree the proposal envisions and plans a clear path for broad dissemination and lasting impact. (See Section V., Subsection A. Selection Criteria: Selection Committee additional factors on pages 10-11.) (Response length: 1-1 ½ pages)						
Evaluation for	r Question 7:					
1	2	3	4	5		
Poor	Fair	Good	Very Good	Excellent		
8. <u>Project tea</u> expertise of the expertise, exp technologies, contribute to and strength and explain he to create a we meaningful, be represented i evaluation.	m: A strong r he proposal's pertise in lear and/or expe project desig of any existin ow the proje ell-balanced n the propos	response will de s team member rning science, e rtise in social an gn and evaluation g collaboration ct leaders will u collaboration. In r equivalent co al, from design	escribe the deptl rs, such as partic xpertise in adap nd behavioral sc on. It will describ as among project use the expertise t will also demor ntributions acro to implementat	n and breadth of ular disciplinary tive learning ience that can be the nature team members team members of all involved nstrate ss the segments ion to		
In evaluating proposals, please consider to what extent team members (including both co-PIs and other identified team members) exhibit diverse expertise and backgrounds that can contribute to the success of the project. Please consider also whether the response indicates how external expertise and/or stakeholder input will be used to iterate over the course of the project. In addition, a strong proposal will demonstrate collaboration with social scientists, behavioral scientists, instructional designers, and/or others with relevant expertise. (Response length: 1-1 ½ pages, with additional detail provided in Appendix A)						
Evaluation for	r Question 8:					
1	2	3	4	5		
Poor	Fair	Good	Very Good	Excellent		

9. <u>Budget overview</u> : A strong response will provide a clear summary of how funds will be used and discuss how the project team will maximize existing structures or resources and how, if the proposed innovations place any costs on users, those user costs will be minimized. It should also explain how other resources, such as any outside funds or institutional funds, will be leveraged, if applicable. (Response length: 1 page, with additional detail provided in Appendix B).	
Evaluation for Question 9:	
Acceptable Not Acceptable	
10. <u>Common data-sharing/technology platform</u> : A strong response will discuss the potential for using a common data-sharing platform to deliver the course or course series. It will also discuss the potential for sharing data across institutions and include consideration/awareness of ways to protect privacy and personal information.	
In evaluating this response, please consider the general interoperability of the proposed technological approach with other systems (i.e., is it restricted to a single course-management system or to technology tools that are not widely shared or available?) (Response length: 1 page)	
Evaluation for Question 10: Acceptable Not Acceptable	

### Section B: Responsiveness to Additional Statutory Selection Criteria Statute established the California Education Learning Lab as a competitive grantmaking program for intersegmental faculty teams to incorporate learning science and adaptive learning technology into their curriculum and pedagogy, with the express purpose of increasing learning outcomes and closing equity and achievement gaps in STEM and other disciplines. The following questions (11-13) assess additional strengths of proposals based on how effectively they meet statutory selection criteria not previously covered in Section A. Please indicate whether the additional statutory strength is part of the proposal by answering "Yes" or "No" in your evaluation. **Optional Brief Comments** Category 11. Does the project include "representation of all three public higher education segments on the proposal's faculty team?" Note: Projects are required to include representation from only two of the three segments of public higher education. The representation of all three segments is considered an additional strength of the proposal. (Citation: Government Code 65059.2 (b)(1)(F)) **Evaluation for Question 11:** Yes No 12. Is there "inclusion of career education and workforce pathways in the proposed project?" This can include, but is not limited to, discussion of engaging with student career goals in redeveloping curricula, and of relating curricula to student career interests. (Citation: Government Code 65059.2 (b)(1)(G)) **Evaluation for Question 12:** Yes No 13. Does the proposed project identify "opportunities to leverage nonstate funding?" (Citation: Government Code 65059.2 (b)(1)(H)) **Evaluation for Question 13:** Yes No

#### Section C: Overall Assessment of Impact

The following evaluation should be based on your overall assessment of the application as a whole. Please assess the likelihood that the proposed project will have a powerful, sustainable, positive influence on teaching and learning, and broad and significant impacts in improving learning outcomes and reducing equity/achievement gaps in the discipline or disciplines represented. In evaluating overall impact, please consider the proposal's feasibility, degree of scalability, affordability, replicability, and degree of innovation in concepts, approaches, methodologies or interventions.

Please use the following key to evaluate this overall impact:

High (score 5 or 4)

 Application has a high likelihood of powerful, sustainable, positive influence on teaching and learning, and broad and significant impacts in improving learning outcomes and reducing equity/achievement gaps in the discipline or disciplines represented, with no or minor weaknesses in the proposal.

Medium (score 3 or 2)

- Application seeks to have a powerful, sustainable, positive influence on teaching and learning, and broad and significant impacts in improving learning outcomes and reducing equity/achievement gaps in the discipline or disciplines represented, with weaknesses in the proposal.
- Application addresses a problem of moderate importance, with some or no weaknesses.

Low (score 1)

- Application seeks to address a problem of moderate importance, but weaknesses in the proposal reduce the overall impact to low.
- Application addresses a problem of low or no importance, with some or no weaknesses.

Please also explain your assessment of the proposal's overall impact below.				
Please provide up to <b>500 words</b> maximum explaining your overall assessment of the proposal's likely impact and highlighting the proposal's strengths and weaknesses, including any constructive suggestions.	Overall Assessment of Impact Score:			