**California State Polytechnic University, Pomona**

Modified Inventory of Educational Effectiveness Indicators (IEEI)

AY 2017-2018

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| 1 | College |  Engineering |
| Department |  Industrial and Manufacturing Engineering |
| Degree Program  |  Engineering Management |
| Name of all available Options within the degree |  --- |
| 2 | Have formal program learning outcomes (PLOs) and student learning outcomes (SLOs) been developed and submitted to the Office of Academic Programs? Yes/No |  Yes |
| Website with PLOs and SLOs | Learning outcomes are published on the IME Homepage. <http://www.cpp.edu/~rosenkrantz/imeassessmentdocs.htm>. |
| 3 | Has a Curriculum Map been developed and submitted to the Office of Academic Programs? Yes/No |  Yes |
| Where is this curriculum map published for quarters and semesters? |  On Department Blackboard and is published on the IME Homepage.http://www.cpp.edu/~rosenkrantz/imeassessmentdocs.htm |
| 4 | Other than GPA, what types of [**direct evidence**](https://www.utoledo.edu/offices/provost/assessment/pdfs/Direct%20and%20Indirect%20Evidence%20of%20Student%20Learning%20Handout.pdf) are used to determine that graduates have achieved stated student learning outcome identified in #5 for the degree? (e.g., capstone course, portfolio review, licensure examination)? Note: [Formative and summative assessment](https://www.bookwidgets.com/blog/2017/04/the-differences-between-formative-and-summative-assessment-infographic) exceeds our expectations. | Master’s Project or Master’s Thesis |
| 5 | Provide an executive summary of results on how students are achieving at least one SLO (more than one SLO is exceeding our expectations) for the degree program. For undergraduate programs link the SLO evaluated to one of the WSCUC’s core competencies (Critical Thinking, Information Literacy, Oral Communication, Written Communication or Quantitative Reasoning). Remember to identify which core competency this fits. For programs that do not have an SLO that aligns to a Core Competency still provide direct evidence on student learning.  |  Oral communication and written presentation competency is achieved by incorporating project presentations in every class and the senior project where student and faculty feedback is used. Critical Thinking is achieved in Master’s thesis or Project. |
| 6 | What types of [**indirect evidence**](https://www.utoledo.edu/offices/provost/assessment/pdfs/Direct%20and%20Indirect%20Evidence%20of%20Student%20Learning%20Handout.pdf) are used to determine that graduates have achieved stated outcomes for the degree? (e.g., student survey, employer survey, focus groups)? |  Master’s Project Exit Survey. |
| 7 | Provide at least one example (more than one example is exceeding our expectations) which summaries the results on how the indirect evidence was used to improve student learning? | A new course in Data Analytics was included as an elective to allow better incorporation of quantitative reasoning |
| 8 | Provide one example (more than one example is exceeding our expectations) how the program is addressing student learning by using the **direct evidence** data to **close the loop** which provides the program a continuous improvement plan. Make sure this is linked to direct evidence. Examples include but are not limited: * Changes to curriculum by adding XYZ
* Pedagogy changes within the program (adding supplemental instruction for DUF courses)
* Faculty development on teaching
* Changes to assessment tools
 | Portion of every faculty meeting/ Curriculum Committee meeting is devoted to discuss short comings of students in Pre-requisites and plan accordingly for all following courses using a systems approach used in Puzzles Principle methodology developed by the department chair. |
| 9 | Who interprets the evidence? What is the process? (Note if this is same as what your program submitted in your 2018 assessment plans, than just state SAME AS WHAT WAS SUMBITTED) | A committee of at least three faculty members evaluate performance of graduates in Master’s projects or thesis. |

*Note: If the degree program has a supplemental report, please include with IEEI as supporting material.*