**Knowledge of Mathematics (KoM)**

**Assessment Method - Senior Design Faculty Evaluation**

Question: 2. Which section(s) of the evaluation form are used to assess this outcome specifically.

Response: KoM follows with ABET Outcome A. In the Senior Design Faculty Evaluation forms team scores are summarized according to ABET Outcomes A-G, values for Outcome A only for each Team for the total academic year are used. Specifically, the BSBME Program Outcome labelled A, as shown at the bottom of the SeniorEvaluation\_Current-Spring2020.pdf document.

**Assessment Method - Lab Reports**

**Question: 3.** This is not the same scale that's on the rubric attached -- please clarify

**Response:** Lab Rubric, from Lab Rubric BME.pdf, goes as follows:

3.6~4.0 Expert

3.2~3.6 Proficient

2.8~3.2 Apprentice

2.4~2.8 Novice

<2.4 Non-responsive

I only receive averaged holistic scores for each ABET outcome from Dr. Qian (see attached example). It only reports

1. Metric Target
2. Average Score (Out of 100)
3. %>=Metric (% that met metric of score >= 2.5)

One thing to note, I use the averages for all lab outcomes to arrive at total average and metric target achievement. Should this be changed to only consider Outcome A, which relates to KoM?

**Question: 4.** Which criteria from the lab rubric are directly related to this outcome?

**Response:** It appears that "Methods"/"Results" are the closest to meeting the outcomes for Knowledge of Mathematics (ABET Outcome A)

**Critical Thinking (CT)**

**Assessment Method - Senior Design Faculty/External Evaluation**

**Question: 5.** Which section(s) of the evaluation form are used to directly assess this outcome?

**Response:** CT follows with ABET Outcome B. Steps are identical as stated above for KoM but instead values are taken from Outcome B.

**Assessment Method - Lab Reports**

**Question: 6.** Scales do not match the one on file.

**Response:** Same response as above for KoM Assessment Method - Lab Reports.

**Question: 7.** Which item(s) from the rubric are directly aligned with this outcome?

**Response:** It appears that "Discussion or Questions" / "Conclusion" are the closest to meeting the outcomes for Critical Thinking (ABET Outcome B)

**Communicate Effectively in BME - Written**

**Assessment Method - Lab Reports**

**Question: 9.** Which sections(s) of the lab report are used to assess this outcome?

**Response:** Generally, all sections would fit for this assessment as they all are a part of "Communicate Effectively in BME"

**Question: 10.** Which section(s) of the evaluation rubric are used to assess this outcome?

**Response:** I believe there is a problem here. The rubric attached for Senior Evaluation is for the student, SeniorEvaluation\_Rubric\_Student while the team version has a section focused on "Written Report" outcomes which is what I used to get the values.

Unsure on how to address remaining points as they are part of analysis while I only conducted data curation and processing.