Assessing Work in CPSC 335

September 23, 2019
Steps for Collecting and Submitting Student Assessed Work

• Each core course has a fixed number of performance indicators (between 1 and 4)
• The performance indicators are tied to the course learning objectives
• The evaluation of the student work is related to the course learning objectives (and not instructor’s individual teaching material)
• You will receive an email with links to complete the survey for each core course you are teaching, one link per each core course
• You evaluate student performance and submit electronically both numbers (by completing online forms) as well as scanned copies of student samples
• The samples need to be anonymous, so you need to hide/remove student’s name
• The collected data will be used to prepare the ABET and WASC reports each academic year
For each performance indicator:

- You need to evaluate student performance in that indicator
- Three categories: Satisfactory, Developing, Unsatisfactory

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<tr>
<th>DESC</th>
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<th>RESPEC</th>
<th>DESC</th>
<th>332</th>
<th>COOP, FDBK</th>
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DESC: Design software exhibiting design best practices, such as clarity, structured programming, separation of concerns, and/or design principles and patterns, and describe it clearly (using e.g. pseudocode, database schema, flowcharts, etc.)

| DESC | Unable to describe a design clearly using pseudocode, database schema, flowcharts, etc. | Able to produce a design document but design is unclear and/or incomplete. | Able to describe a design clearly using pseudocode, database schema, flowcharts, etc. |
• Assessment needs to be done after you are done teaching the material to be assessed, typically end of the semester

• You decide which deliverable is the most critical: selected questions from the midterm/final exam, final project, etc.
You receive an online survey

You receive an online survey

Login using CSUF credential to access the online survey

Input section number & no of students assessed

Input no. of students for each

Scan copies, one per each

Assess student’s work and divide it into Satisfactory/Developing/Unsatisfactory

Compute no. of students for each

DONE

Compress the files and upload during the survey
For each performance indicator:

- You need to submit electronically three sets of numbers and up to three files
- Mikhail has created a script in Google Forms that stores the submitted files directly into the storage system

**DESC Performance Indicator**

DESC: Design software exhibiting design best practices, such as clarity, structured programming, separation of concerns, and/or design principles and patterns, and describe it clearly (using e.g. pseudocode, database schema, flowcharts, etc.)

What method was used to measure the DESC performance indicator? *

- Exam
- Homework
- Project
- Presentation
- Quiz
- Anonymous survey
- Other...
• All assessment material is stored in electronic format
• The data collected will be used for statistics
• Data gets aggregated for the entire academic year
• Statistics from AY 2017-2018:

https://drive.google.com/open?id=1pdXsc1CZf8e6dSAfYWHwwAGpjjkfBvkgE4IKYx22gg
### Figure. Example of aggregated data for 2017-2018 AY: student assessed work for Spring 2018 – CPSC 351 and CPSC 335

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Encouraging faculty discussion of program changes

• Based on the statistics from Fall 2015 through Spring 2018, we have begun a discussion of program changes that may need to be made.
  • Example: Students should be provided the specific programming skills in 100-level courses that will enable them to do better in 300-level courses.

• Discussion between Assessment and Undergraduate Committees
  • The Undergraduate Committee is looking into program changes and to update course descriptions based on the feedback from assessment.
  • In Spring 2016, the course description of CPSC 311 was updated in Curriculog to reflect the PIs that are actually assessed in that course.

• Changes to the assessment process
  • The Assessment Committee is improving the assessment process: by re-defining PIs and re-distributing PIs (moving PIs from one course to another)
    • Based on the feedback from Fall 2015, and Spring 2017
      • Some PIs are being moved to different courses where they are better assessed
Possibly adding new surveys

• One existing survey:
  • Exit surveys - will be given online in 400-level courses

• Two new surveys:
  • Alumni survey
  • Employer survey
Questions?