

REPORT ON AY2022-2023 ACADEMIC ASSESSMENT

Submission date: 11/13/2023

Assessment Plan covered in the report: Paramedical Technology AAS

College: College of Health

Campuses where the program(s) is delivered: Anchorage KOD KPC MSC PWSC

Submitted by: Paul E. Perry, Paramedic Program Director, peperry@alaska.edu

After responding to the questions below, the program should email this form to the dean, with a copy to the appropriate community campus director(s) if the program is delivered on a community campus.

- 1. Please list and number the Program Student Learning Outcomes your program assessed in AY23. For each outcome, indicate one of the following: Exceeded faculty expectations, Met faculty expectations, or Did not meet faculty expectations.**

Example: 1. Communicate effectively in a variety of contexts and formats – Exceeded faculty expectations; 2. Adopt critical perspectives for understanding the forces of globalization and diversity – Met faculty expectations.

Outcome 1: Integrate knowledge of EMS systems, safety/well-being of the paramedic, and medical/legal and ethical issues intended to improve the health of EMS personnel, patients, and the community. Met Faculty Expectations.

Outcome 2: Integrate a knowledge of the anatomy and physiology of all human systems. Met Faculty Expectations.

Outcome 9: Integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression including developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan. Met Faculty Expectations.

Outcome 12: Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a treatment/disposition plan for an acutely injured patient. Met Faculty Expectations.

2. Describe your assessment process in AY23 for these Program Student Learning Outcomes, including the collection of data, analysis of data, and faculty (and other, e.g., advisory board) conversations around the findings. (1000 words or less)

Faculty regularly review & analyze data from Platinum Education (EMSTesting.com), a validated test bank of questions used for formative and summative exams, and clinical evaluations from skills labs, ambulance ride-alongs, hospital clinicals and the capstone field internship.

Outcomes 1 - PMED A241, A254, A264 and A295

Outcome 2 - PMED A241, A242, A253, A254, A263, A264, and A295

Outcome 9 - PMED A241, A242, A253, A254, A263, A264, and A295

Outcome 12 - PMED A242, A254, A263, A264, and A295

Note: PMED A295 (capstone field internship) encompasses all program learning outcomes in this assessment. Psychomotor final exams are graded using NREMT and Program skills rubrics. Students are required to score >80% on all high-stakes exams to remain in the program.

3. What are the findings and what do they tell the faculty about student learning in your program? (1000 words or less)

* Average Grade for PMED 241 Final Exam (Fall 2022 Semester) 15 Students: 92%

* Average Grade for PMED 253 Final Exam (Spring 2023 Semester) 14 Students: 92 %

* Average Grade for PMED 263 Final Exam (Summer Semester 2023) 14 Students: 91 %

* PMED 295 (Capstone Field Internship/Summative Exams) 2 of 14 students have successfully completed their capstone field internships from the 2022-23 cohort. Twelve (12) students are either currently out-of-state completing their internships or due to begin them within the next 120 days. The data confirms that PSLO scores are EXCEEDING the minimum program expectations of 80%. The last CoAEMSP/CAAHEP Annual Report (2021) also showed UAA|KPC is well above the minimal requirements of 70% on National Registry first time pass rates, retention, and job placement.

4. Based on the findings, did the faculty make any recommendations for changes to improve student achievement of the Program Student Learning Outcomes? Yes

- i. Please describe the recommended action(s), what improvements in student learning the program hopes to see, the proposed timeline, and how the program will know if the change(s) has worked. If no recommendations for changes were made, please explain that decision. (1000 words or less)**

The UAA|KPC Paramedic program successfully completed the transition to the two-week per semester lab intensives on the Kenai River Campus and returned to a traditional face-to-face modality with a new full-time lab instructor at our alternate skills location (Mat-Su College) offering twice-weekly skills labs. A full-time paramedic lab instructor was also hired

on the Kenai Campus. Program pass rates, retention, and job placements on both campuses have shown that there is no difference in success rates between the two skills lab options. Faculty concur that the labs on both campuses equally prepared students for hospital clinicals and ambulance ride-alongs with the number of hours and scenarios students participated in being the same between the lab intensives and the traditional face-to-face skills labs.

5. In the past academic year, how did your program use the results of previous assessment cycles to make changes intended to improve student achievement of the Program Student Learning Outcomes? Please check all that apply.

- Course curriculum changes
- Course prerequisite changes
- Changes in teaching methods
- Changes in advising
- Degree requirement changes
- Degree course sequencing
- Course enrollment changes (e.g., course capacity, grading structure [pass/fail, A-F])
- Changes in program policies/procedures
- Changes to Program Student Learning Outcomes (PSLOs)
- College-wide initiatives (e.g., High-Impact Practices)
- Faculty, staff, student development
- Other
- No changes were implemented in AY23. *(If no options above were selected)*

If you checked "Other" above, please describe. (100 words or less)

N/A

6. Do you have any information about how well these or other past improvements are working? Are they achieving their intended goals? Please include any data or assessment results that help you demonstrate this. (1000 words or less)

Paramedic teaching staff have discontinued the use of the Oculus headsets and patient assessment software (VRpatients) this year while they reevaluated the overall value. Scenarios were attempted from the vendor's pre-made lists but faculty did not feel these met program objectives. The scenarios required an excessive amount of programming time and this proved time consuming for faculty. We are continuing to look at opportunities for VR within the program as well as other medical software options.

DEAN SECTION (Due to the program on January 15)

After completing the Dean Section and signing it, the dean should email this form to the program, and copy uaa_ooo@alaska.edu for posting. If the program is delivered on one or more community campus, the dean should consult with the appropriate community campus director(s) on the response and copy the appropriate community campus director(s) when emailing the response to the program.

1. Based on the program's responses above, what guidance and support do you have for the program moving forward? (200 words or less)

The Paramedical Technology program evaluated 4 of 14 student learning outcomes and indicates that all 4 met faculty expectations. This trend of meeting faculty expectations is consistent with prior assessment reports and is a strength of the program. Future assessment cycles may consider the challenges or existing barriers to student learning outcomes exceeding faculty expectations. Continued analysis of outcome data for the different lab delivery methods is recommended. The program indicates changes to advising were made in AY22 and in AY23 and additional information on these changes would strengthen the assessment report.

2. Discuss what the program is doing particularly well in terms of its processes for the assessment and improvement of student learning, for example, the use of a common rubric or prompt, a signature assignment, etc. (200 words or less)

The Paramedical Technology program continues to serve a vital role in training competent, capable, and compassionate entry level Paramedics. The program consistently demonstrates above average national pass rates, retention rates, and job placement rates. The efforts of faculty to systematically evaluate student learning outcomes via a variety of methods is commendable and appreciated. The re-evaluation of the use of VR technology demonstrates a necessary adherence to program objectives and utilization of developing technology. The use of lab intensives on the KPC campus and traditional lab experiences on the MSC campus was a commendable response to unique student needs on each campus. The noted assessment of these lab delivery methods indicates there is no difference in learning outcomes. The program is commended for strong overall outcomes and diligent assessment of student learning outcomes.

Dean's signature:

Cary C Moore

Date: 1/8/2024