



2020 -2021 Student Affairs Assessment Plan

Department: Recreation Services

Assessing Knowledge and Skills Obtained from CPR/AED Training

Division Mission

To engage the KU community in services and programs that make learning possible.

Department Mission

KU Recreation Services delivers opportunities and promotes lifelong wellness through programs, facilities, and services to heighten the educational experience.

Department Student Learning Outcomes

Students who utilize or interact with services and programs provided by Recreation Services will be able to...

1. Practice skills and behaviors that contribute to their overall health and wellness
2. Develop healthy, mutually beneficial relationships with others through participation in programs such as Intramural Sports, Sport Clubs, Fitness and Outdoor Pursuits.
3. Demonstrate work related skills (such as risk management, organizational skills, critical thinking, time management, etc.) that allow them to be effective employees at KU and beyond.

Description of Service/Program

KU Recreation Services offers facilities for all recreational needs, whether it is working out at the Ambler Student Recreation Fitness Center (ASRFC), using field space at the Shenk Sports Complex or Central Field, engaging in the Challenge Course at the Adams Campus Outdoor Education Center, playing at our Sand Volleyball and Tennis courts or swimming in the Robinson Center.

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Within these facilities, Recreation Services offers a wide variety of programs that attract student participation including Sport Clubs, KU FIT group fitness, Personal Training, Intramural Sports and Outdoor Pursuits.

Recreation Services requires all its student employees to have a CPR/AED certification within the first month hire. Students who are not currently certified upon hire, may register to take a free American Heart Association (AHA) CPR/AED certification offered at ASRFC or they may pay for their own certification. In past academic years, approximately 60-70 student employees obtain their CPR/AED certification from Recreation Services. Currently, 6 full-time Recreation Services are certified AHA Heartsaver Instructors and take turns instructing the course.

The CPR/AED certification is valid for 2 years, so those who have expiring certifications may recertify through Recreation Services following the same procedures as someone who is obtaining the certification for the first time.

Service/Program Student Learning Outcome(s)

Student employees participating in the CPR/AED Knowledge and Skills Assessment will be able to...

- List the correct number of compressions in one cycle of CPR. (3)
- List the depth of chest compressions on an adult. (3)
- List the correct number of breaths in one cycle of CPR. (3)
- List at least 3 of the 4 locations an AED is located inside of ASRFC. (3)
- List at least 3 of the 4 locations an AED is located outside of ASRFC. (3)
- List 3 of the 5 reasons to stop performing CPR/AED. (3)
- List 2 of the 3 reasons why CPR/AED is performed on a person. (3)
- Arrange a random list of CPR steps chronologically. (3)

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- Arrange a random list of AED steps chronologically. (3)
- Demonstrate the steps for conducting CPR/AED chronologically. (1, 3)

Divisional Student Learning Outcomes: *Check all that apply*

- Knowledge Acquisition
- Cognitive Complexity
- Intrapersonal Development
- Interpersonal Competence
- Humanitarianism & Civic Engagement
- Practical Competence

Project Specifics

Project Title: Assessing Knowledge and Skills Obtained from CPR/AED Training

Purpose of the project:

The purpose of this assessment is to test the effectiveness of our CPR/AED training process, which requires student employees to watch a 45-minute CPR/AED training video at home and test their CPR/AED skills in-person. We will accomplish this by administering a quiz after the training, as well as performing an in-person skills demonstration after the training.

Assessment method(s):

The methods used to carry out this assessment project will be a quiz administered through Qualtrics, as well as having students demonstrate their CPR/AED skills at a random time during one of their scheduled shifts. When students are emailed informing them to watch the video and that their CPR/AED skills be assessed in-person, they will be informed that their knowledge and skills will be assessed after they obtain their certification; however, they will not be told when they will be assessed. If the student employee does not work a scheduled shift during normal business hours or the student cannot be disrupted during their job (e.g., intramural staff, personal trainers, KU Fit

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Instructors) that student may be asked to come in for an in-person meeting, where they will be assessed at that time.

The assessment process will take place during the student employees scheduled shift with possible exceptions for the reasons listed above. The quiz and skills demonstration will both take place in room 203 of the ASRFC. The skills assessment will be supervised by Ethan Pearson or Jon Randle. Whoever is supervising the assessment will bring out a CPR/AED training manikin for the assessment and the student will be asked to demonstrate how to perform the CPR/AED skills on the manikin. The act and quality of giving breaths will not be assessed because of COVID-19; however, students should verbally state they are giving 2 breaths.

The quiz and rubric for the skills demonstration will be created based on the skills sheet from the AHA. The quiz will include 6 open-ended questions, 2 questions asking students to chronologically order the steps of CPR and AED, demographic questions as well as a question asking the student if they are receiving their CPR/AED certification for the first time or if they have been certified before. The skills demonstration rubric will include a pass/fail scoring system for each. If the student performs the skills satisfactorily then they will receive a check mark in the box by that skill, whereas if the student does not perform the skill correctly, they will not receive a check mark in that box. All data will then be aggregated. Students' will be expected to know current AHA guidelines, which are subject to change.

Staff contact(s):

Ethan Pearson - ethan.pearson@ku.edu

Jon Randle - jonrandle@ku.edu

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Timeline/frequency:

- The mandatory CPR/AED course will be offered at least once a month throughout the year. Student employees who are registered for the skills assessment during the months of October 2020 through early April 2021 will be assessed.
- Students take the CPR/AED course first watching a 45-minute video at home and then coming to ASRFC to demonstrate their CPR/AED skills. Students who successfully pass the course obtain a CPR/AED certification.
- The assessment (quiz and skills demonstration) will take place 1-2 weeks after the student obtains their certification.

Population/Sample:

- Population: Approximately 35 KU students who are employees of KU Recreation Services (KURS) are predicted to be assessed:
 - Obtaining CPR/AED certification is a requirement for employment and offered free for KURS student employees. Student employees who obtain their certification through KURS are compensated their hourly wage for this process. Students completing the assessment process will also be compensated their hourly wage.
 - Due to the lower total number of students compared to an average year, every student who registered for the mandatory CPR/AED course between October 2020 and early April 2021 will be tested.
 - We predict there will be mix of males and females with a range of freshmen to PHD students who work in either facilities, fitness/wellness, sport clubs or intramural sports.

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Special challenges to this assessment:

- Not all student employees certified in FY21 will be assessed. For example, students may leave campus in November having obtained their CPR/AED certification but before they are assessed.
- Certification process is different than in previous years; now mostly done online.
 - In the past, students would attend the certification course in-person and be provided with the educational video as well as assessed on their CPR/AED skills in one sitting.
 - This fall due to COVID-19, students are provided with the educational video that they watch online independently, then schedule a time to come in for a face-to-face skills assessment at a pre-determined day/time.
- This year there will be a much smaller sample size compared to previous years. Typically, intramural sports and sport clubs hire between 65-70 students but with COVID-19 restrictions placed on these programs for the year, not nearly as many students will be hired.
- This assessment will require unique cooperation from other staff, both professional and student. For example: professional staff supervisors may need to cover the student's work responsibilities while they go through the assessment process.
- Making sure all full-time staff have the same understanding of the rubric and testing procedures.
- Making sure all CPR/AED instructors have the same understanding of the rubric and testing procedures.
- Making sure Ethan and Jon have the same understanding when grading the questionnaires and evaluating the skills demonstration.
- Additional challenges may become apparent once our method is finalized.

Use to inform current practice:

- This assessment may identify areas of our training that require specific improvement during future CPR/AED certifications. For example, emphasizing

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information during CPR/AED training or providing educational opportunities during the year for student employees to improve or retain their CPR/AED knowledge and skills.

- After collecting all the data, we receive from this assessment, it may be a good idea to reach out to student staff and ask their opinion on our training/assessment methods to see how they feel about the process.

Plans for reporting results:

- The assessment report may be displayed on the KURS website or posted on KURS social media pages.
- The assessment report will be shared internally to student employees and professional staff.
- The assessment report may be shared among colleagues at The University of Kansas or other colleges/universities including campus recreation departments.

Qualtrics Used: Yes No