**Part One: Planning**

**Goals**

**What is the grade level/content area of focus in this session?**

The grade level, I am focusing on is adult learners; ideally it would be first-semester nursing students. The focus is a basic introduction to an Electrocardiogram (EKG) Complex and how it related to a heartbeat by use of a medieval analogy.

**What will the students know or be able to do after completing session?**

Upon completing this lesson, students will be able to identify the individual waveforms of a single, normal, EKG complex, and how it relates to the electrical conduction of the heartbeat.

**What is the general purpose of the session?**

The purpose of the lesson is to introduce a new topic, a fundamental lesson that will be built upon throughout the progression of the program.

**Planning Considerations**

**What are the anticipated characteristics of the learner to be considered when planning session?**

Since these are adult learners of various ages and experience need make the lesson intriguing. Be able to address what is it in for them to learn the material. Students are new to nursing so need to make sure, the material is not too advanced, and the presentation does not cause sensory overload.

**What needs to be prepared in advance by the teacher?**

-As the teacher I need to make sure the powerpoint section of the lesson is legible, font sizes/style allows for readability by even back row students, images are sharp, and relevant to the topic.

-File link for student access to print off resource paper before the session.

-Develop practice problems and exam

-Ensure all media sources used are functioning correctly.

-Post required tools to be used in class, that students will need to bring.

**Which features of Collaborate will be used?**

-Introduction section where students will introduce themselves and share their experience/knowledge of the material.

-Conduct a question and answer between teacher and students

-File sharing (resource material and practice problems)

-Interactive whiteboard

-Students will be given practice problems which they will have to measure the intervals and then will share the findings, explaining what they think it means in relation to the heartbeat.

**What does the student need to bring to the session?**

-The student will need to bring a pen, paper, or laptop so can take notes. A handout will be provided as a resource tool for future classes.

-If the students were real nursing students, I would also require them to bring their calibers (a specific tool used to measure an EKG complex). However, for this project, I will show students how to improvise calibers so that they can complete practice problems.

**How much time do you expect the session to take?**

The total time for lesson presentation, anticipated questions, need for clarifications, practice problems and quiz should take approximately 30-35 minutes.

**Activity Outline and Procedure**

I. Introductions to include experience with the topic of the session (live chat)

a. Teacher

b. Students

II. Purpose of Session (what is in it for them)

III. Objectives

IV. Presentation of PowerPoint

a. Explain Resource material

b. Video of heart’s electrical conduction

c. The main body of material

-Each waveform examined individually

d. Demonstration of how to evaluate a single EKG complex (whiteboard)

V. Summary

a. Review objectives

b. General question and answer of materials presented in the session

c. Practice problems and a five-question exam

d. Students will present practice problem answers with the class

e. Review of the exam answers and possible discussion, clarification as needed

**Assessment**

**How will you assess student learning and outcome of your learning objectives?**

Learning assessment will be conducted using both a summative assessment in the form of a five-question exam and completion of practice problems. The other method, (formative assessment will be used to assess student learning via discussion of practice problems and questions/answers during the presentation of the session.

**How will student understanding be verified during the session?**

Question and answers and discussions.

**How will you assess student attitudes and engagement?**

This will be done by direct observation of the students; monitoring their participation in question and answers, introduction, and discussions.

**Session Details**

Session Title: Understanding an Electrocardiogram (EKG) Complex

Date: Tuesday, July 3rd 2018

Time: 7:30 PM (CST)/8:30 PM (EST)

File for Resources: **https://missouri.instructure.com/files/2907469/download?download\_frd=1**

File for Exam:

**ZOOM INFO:**

Join from PC, Mac, Linux, iOS or Android: https://mizzou.zoom.us/j/591210944

Or iPhone one-tap :

US: +16468769923,,591210944# or +16699006833,,591210944#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 646 876 9923 or +1 669 900 6833

Meeting ID: 591 210 944