Assessment: Course Four Column

Courses (HHS) - Radiology Technology

RAD 118:Electrical/Radiation Physics

Course Outcomes	*Assessment Measures*	*Results*	*Actions*
Atomic structure - Describe atomic structure **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Demonstrate -** Chapter 1/Module 1 **Criterion:** All students will achieve 75% or higher.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes All students received 80% or higher. Results Analysis: A better assessment for this outcome, would be Chapter 2 quiz. A specific question should be identified for the atomic structure. (09/16/2019)	**Action:** Review Module 2 examination and identify a better assessment of atomic structure. Chapter 1 assessment is more of the beginning measurements. (09/16/2019)
X-ray route, circuitry and equipment - Identify and label x-ray route, circuitry and equipment. **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Quiz -** Circuit quiz 1 **Criterion:** All students will receive 75% or better.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes All students received 77% or better. Results Analysis: This assignment is drawing, labeling and definition of the parts of the circuit (09/16/2019)	**Action:** This assessment will continue, as is. (09/16/2019)
X-ray production and properties - Identify x-ray production and properties. **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Quiz -** Module 7 quiz **Criterion:** All students will receive 75% or better.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes All students received 89% or higher. Results Analysis: This module covers the x-ray tube, target interactions and circuitry. (09/16/2019)	**Action:** The criterion needs to be moved to 85% and above. (09/16/2019)
Production of bremsstrahlung and characteristic radiations - Compare the production of bremsstrahlung	**Quiz -** Module 8 quiz **Criterion:** All students will receive 75% or better.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes All students received 87% or higher.	**Action:** The criterion needs to be moved to 85% and above. (09/16/2019)

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and characteristic radiations. **Course Outcome Status:** Active **Next Assessment:** 2023-2024		Results Analysis: This module covers x-ray production. It is activities, prelim quiz, and an exam. (09/16/2019)	
Radiographic interaction - Explain the process of radiographic interaction and the final image. **Course Outcome Status:** Active **Next Assessment:** 2023-2024	**Quiz -** Module 9 quiz **Criterion:** All students will receive 75% or better.	**Reporting Period:** 2018-2019 **Criterion Met:** Yes All students received 93% or higher. Results Analysis: This module covers x-ray production and interaction with matter. It has activities, prelim quiz, and an exam. (09/16/2019)	**Action:** The criterion needs to be moved to 85% and above. (09/16/2019) **Follow-Up:** The students like the online physic modules, because they have activities and presents information hands on. I do think we could raise the benchmarks and identify certain questions to be more specific in assessment. (09/16/2019)