Week 2 Project: Problem Statement and Research Questions

There is a problem in higher education environments. That problem, specifically is that veterans with Traumatic Brain Injuries (TBI) and/or Post-Traumatic Stress Disorder (PTSD) may have unique learning needs that we need to be cognizant of as instructional designers. Veterans with TBI and/or PTSD are transitioning back into the workplace and continuing their higher education post military service. It is important to provide a learning experience that is inclusive in higher education environments. However, unless accommodations are made to the educational strategies it may affect the learning outcomes of TBI/PTSD students. This problem impacts military veterans with TBI and/or PTSD because the injuries to their brains may affect how information is processed. There are many possible factors contributing to this problem, among which are:

- Level of Traumatic Brain Injury (mild, moderate or severe)
- Diagnoses of Post-Traumatic Stress Disorder
- Type of educational program (traditional or eLearning)
- Awareness of the needs of veterans with TBI and/or PTSD

This study will contribute to the body of knowledge needed to address this problem by identifying what instructional design techniques are recommended for individuals with Traumatic Brain Injuries (TBI) and/or Post Traumatic Stress Disorder (PTSD). This study will answer the questions:

- What learning strategies can be used to improve learning outcomes in students with TBI and/or PTSD?
- What multimedia strategies are detrimental/beneficial to the learning process for students with TBI and/or PTSD?

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