

National Training Aircraft Symposium (NTAS)

2020 - Perspectives: A Vision into the Future of Aviation

Mar 2nd, 8:00 AM - 9:30 AM

#### Students' Perspective of Self-Guided Simulation Training on Process in the Initial Phase of Private Pilot Flight Training: A Preliminary Review

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Harrison, Samantha; Carter, Gary A.; O'Toole, Nicola M.; and Thomas, Robert Ph.D., "Students' Perspective of Self-Guided Simulation Training on Process in the Initial Phase of Private Pilot Flight Training: A Preliminary Review" (2020). *National Training Aircraft Symposium (NTAS)*. 1. https://commons.erau.edu/ntas/2020/presentations/1

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Students' Perspective of Self-Guided Simulation Training in the Initial Phase of Private Pilot Flight Training

- Samantha Harrison, Assistant Professor
- Nicola O'Toole, Assistant Professor
- Gary Carter, Assistant Professor
- Robert Thomas, Ph.D., Assistant Professor

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# What were the goals?





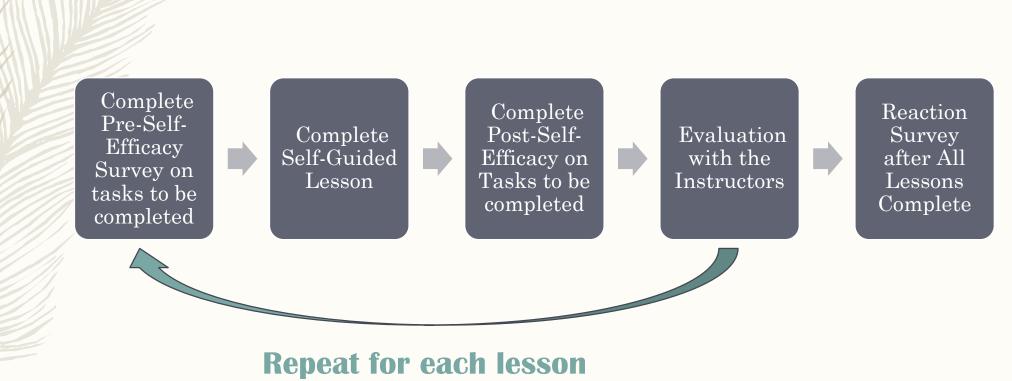


CREATE A TOOL THAT WOULD BE ENGAGING FOR STUDENTS. DECREASE THE NUMBER OF FLIGHT HOURS TO REACH THE PHASE 1 ASSESSMENT UTILIZE STUDENTS' CURRENT TIME COMMITMENTS EFFECTIVELY.





## Phase 1 Method



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## Phase 1 Results

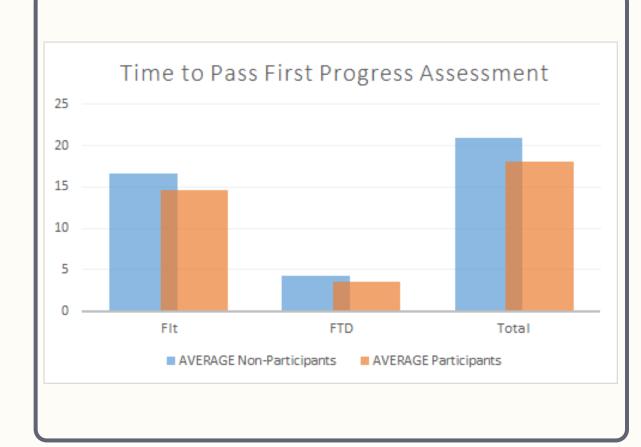
#### Student Perception of Ability



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## Phase 1 Results

#### Flight Time Impact

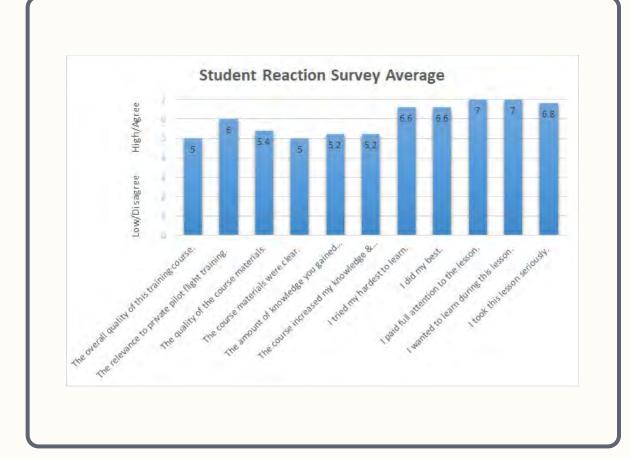


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### Phase 1 Results

Student Reaction Survey to the Overall Experience



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# Phase 1 Limitations

Hurricane Dorian



Many late starts were non-English speakers enrolled in an additional course



Small Sample Size



#### Moving Forward

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LE

- Phase 2 Starts this fall!
- Larger Sample Size Planned
- Collecting more Quantitative Data
- Improve Standardization of Instructor Evaluation
- Add Stall Lesson (based on current flight department data)

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