

**MEMORANDUM**

**DATE:** July 3, 2019

**TO:** Jacob Richard Grohs, Andrew Luke Gillen, Logan Andrew Perry, Kirsten Ann Davis, Johnny Crayd Woods Jr, Tahsin Mahmud Chowdhury, Stacey Leigh Kelly, Darren Kurtis Maczka, David Patrick Reeping, Natasha Leigh Smith, et. al.

**FROM:** Virginia Tech Institutional Review Board (FWA00000572, expires January 29, 2021)

**PROTOCOL TITLE:** Investing in Instructors: Creating Intelligent Feedback Loops in Large Foundational Courses for Undergraduate Engineering

**IRB NUMBER:** 17-432

Effective July 3, 2019, the Virginia Tech Institution Review Board (IRB) approved the Amendment request for the above-mentioned research protocol.

This approval provides permission to begin the human subject activities outlined in the IRB-approved protocol and supporting documents.

Plans to deviate from the approved protocol and/or supporting documents must be submitted to the IRB as an amendment request and approved by the IRB prior to the implementation of any changes, regardless of how minor, except where necessary to eliminate apparent immediate hazards to the subjects. Report within 5 business days to the IRB any injuries or other unanticipated or adverse events involving risks or harms to human research subjects or others.

All investigators (listed above) are required to comply with the researcher requirements outlined at:

<https://secure.research.vt.edu/external/irb/responsibilities.htm>

(Please review responsibilities before beginning your research.)

**PROTOCOL INFORMATION:**

Approved As: **Expedited, under 45 CFR 46.110 category(ies) 5,6,7**  
Protocol Approval Date: **April 12, 2019**  
Protocol Expiration Date: **April 11, 2020**  
Continuing Review Due Date\*: **March 28, 2020**

\*Date a Continuing Review application is due to the IRB office if human subject activities covered under this protocol, including data analysis, are to continue beyond the Protocol Expiration Date.

**ASSOCIATED FUNDING:**

The table on the following page indicates whether grant proposals are related to this protocol, and which of the listed proposals, if any, have been compared to this protocol, if required.

**SPECIAL INSTRUCTIONS:**

This amendment, submitted July 2, 2019, updates research personnel.

\*\*\*This is an NSF funded grant, which typically requires that all personnel have Conflict of Interest Training in CITI. Smith and Woods need to complete the training. <https://www.citiprogram.org/index.cfm?pageID=14&message=64>

Date*	OSP Number	Sponsor	Grant Comparison Conducted?
04/12/2017	PVDLMEMI	National Science Foundation (Title: Investing in Instructors: Creating Intelligent Feedback Loops in Large Foundational Courses for Undergraduate Engineering)	Compared on 04/12/2017

\* Date this proposal number was compared, assessed as not requiring comparison, or comparison information was revised.

If this protocol is to cover any other grant proposals, please contact the HRPP office ([irb@vt.edu](mailto:irb@vt.edu)) immediately.