

Request #: 515 - ITLS - Thesis

Implementing a Digital Sharing Space Focused on Process Based Learning in Online Studio Coursework in The Field of Landscape Architecture

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Background

The purpose of this study is to implement and measure the effectiveness of an online social learning network and pedagogical approach that engages landscape architect students in a digital sharing space focused on process-based learning.

The digital sharing space was implemented in the Fall of 2020 within an online course. There were two groups for two class assignments, which switched treatments. One treatment was participation within an online sharing platform, and the other was a traditional discussion board.

Sample

Sample size: 47 students

Collected data: discussion posts from two class assignments, grades, and evaluations from those assignments, and two surveys

Hypothesis

Will the implementation of a dedicated digital sharing space with specific suggestions and parameters for frequent sharing increase the ability to obtain the learning objectives of the course, and increase student performance?

How can social interaction, specifically focused on sharing and learning from peer-to-peer process-based work, be facilitated in an online environment in landscape architecture?

I hope to demonstrate the effect of implementing an online platform for student sharing. With my data, I want to show any statistical significance between grades and survey answers of the study groups. At this point, I am expecting them to not differ statically, at which point I will probably explore qualitative differences between groups.

Progress

I've collected data, done some data cleaning, organized it, and found basic averages for some data points.

Request

I would like clarity on what type of statistical analysis to run on my data and how to do that.

Timeline

I am hoping to get my thesis done this semester, but I am very flexible on actually deadlines.