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NURSING

## Revolutionizing Nursing Education: Moving Beyond One Size Fits All with Precision Education

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## Purpose

This presentation will describe an educational innovation, precision education; the four model components, and preliminary implementation with pre- and post-licensure students.

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Precision Education



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# Overview

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Phase I: Discovery

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# Introduction

What is *Precision Education*?

The goal is not to make a totally unique experience for every student/learner, but to create a few distinct paths of teaching materials, assignments, evaluation methods ... the biggest difference is that precision education tries to find out where students are in their level of knowledge and look at what has worked well for similar students in the past.



# The Process

## Phase I: Discovery



## Phase I: Discovery

Incoming students complete three surveys/questionnaires during their Canvas Orientation Modules – up to 60 days prior to start of program

- “We’d like to get to know you!”
- VARK Questionnaire
- BestWork DATA

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Precision Education: Discover (Pre-Enrollment)





# Phase I: Discovery

## "We'd like to get to know you!" Survey

The intent of the "We'd like to get to know you" Survey is to mine data that will help understand external factors or concerns that may impact the student's performance in the program. This data helps us proactively connect the student to resources at the beginning of the program.

**We'd like to get to know you!**

We're dedicated to ensuring your experience at the Nell Hodgson Woodruff School of Nursing is as engaging and inclusive as possible. Please complete this survey so we can get to know you a little better and provide a more personal learning experience.

\* Required

**The basics**

1. What cohort are you joining? \*

InEmory Spring 2021

DABSN Spring 2021

MN+MSN Summer 2021

2. What is your first name? \*

Enter your answer

3. If you have a preferred name other than what you indicated above, please let us know here.

Enter your answer



# Phase I: Discovery

## VARK Questionnaire

The VARK Questionnaire helps the student better understand what learning strategies work best for them. VARK also gives us a 'birds eye view' of the group as a whole, allowing us to adjust pedagogies and delivery methods at the cohort level.

**How Do I Learn Best?**

Choose the answer which best explains your preference and click the box next to it. Please click more than one if a single answer does not match your perception. Leave blank any question that does not apply.

GROUP

NAME

I need to find the way to a shop that a friend has recommended. I would:

write down the street directions I need to remember.

use a map.

ask my friend to tell me the directions.

find out where the shop is in relation to somewhere I know.

A website has a video showing how to make a special graph or chart. There is a person speaking, some lists and words describing what to do and some diagrams. I would learn most from:

listening.

reading the words.

watching the actions.

seeing the diagrams.

I want to save more money and to decide between a range of options. I would:

use graphs showing different options for different time periods.

talk with an expert about the options.

consider examples of each option using my financial information.

read a print brochure that describes the options in detail.

When choosing a career or area of study, these are important for me:

Working with designs, maps or charts.





# Phase II: Collaborate & Develop

Revolutionizing Nursing Education: Moving Beyond One Size Fits All  
Precision Education: Collaborate & Develop



# Phase II: Collaborate & Develop

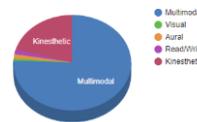
## Data Mining & Cultivation

The first step of data cultivation is translating the data from the "We'd like to get to know you!" Survey into manageable pieces that allow for easy parsing to relevant parties and resources. A SmartSheet database is being tested as a 'home' for this data.

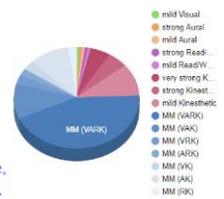
The next step of data cultivation is meeting with the program director to better understand the results of the VARK Questionnaire and translate this data for Course Faculty consideration.

The BestWork Data results are in-process – we are working with their developers to develop cohort-level data results to present to Program Directors and Course Faculty.

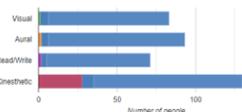
Summarized Learning Preferences



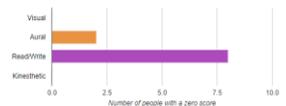
Detailed Learning Preferences



How many preferences are met?



Zero Scores



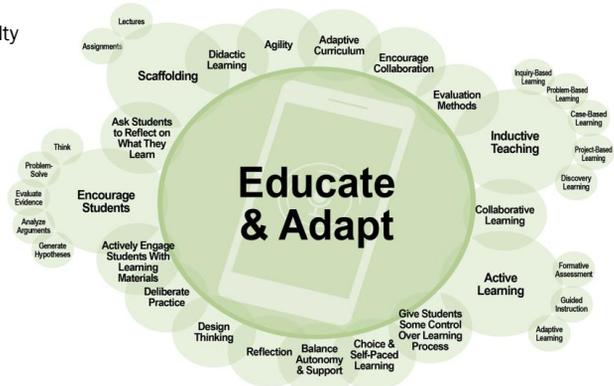




## Phase III: Educate & Adapt

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The next phase includes working with course faculty to implement precise teaching approaches that break the 'one size fits all' mode and allows for a more learner-centric approach



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# The Process

## Phase IV: Experience & Lead



## Phase IV: Experience & Lead

We use the data and information from phases I, II, & III to educate the learner on their learning needs and provide alternative experiences as appropriate. The hope is that these methods will support lifelong learning and give the learner the skills and opportunities needed to be successful. Our goal is to create engaged and employed alumni.

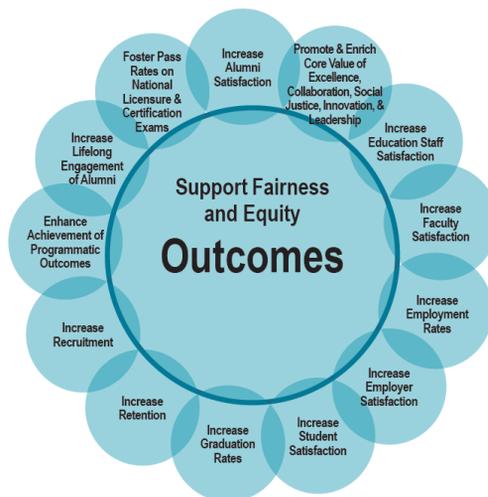


# Timeline



## Revolutionizing Nursing Education: Moving Beyond One Size Fits All

Precision Education: Outcomes



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All students can learn and succeed,  
but not on the same day in the same way

-William G. Spady

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**Thank you**

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