Influence of an Innovative Teaching Design on BSN Students’ Self-Efficacy and Academic Performance

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No Conflicts

No commercial support or sponsorship was received by the author in the completion of this project, nor were there any conflicts of interest.
Purpose

The intent of this quantitative, correlational study was to explore the influence of an innovative teaching design on BSN students’ self-efficacy and academic performance.
NURSING SHORTAGE

"WHAT NOW?!"

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WWW.WHATNOWTOONS.COM

Stateline.org
Too few U.S. nurses to meet demand
The combination of fewer people going into nursing and the retirement of current nurses is projected to produce a shortfall of more than 1 million nurses in the United States by 2020.

Projected demand for nurses
Projected nursing shortfall
Projected nurse workforce

Source: U.S. Health Resources and Services Administration’s “What is Behind HRSA’s Projected Supply, Demand, and Shortage of Registered Nurses?”

Graphic by Danny Dougherty, Stateline.org
Background

Problem
Henricus de Alemania
c. 1300
Review of Literature
“Stress”  
(Beauvais, Stewart, DeNisco, & Beauvais, 2014)

“Anxiety”  
(Chernomas & Shapiro, 2013)

“Frustration”  
(Brady-Amoon & Fuertes, 2011)

“Lack of Confidence”  
(Pulido-Martos, Augusto-Landa, & Lopez-Zafra, 2012)
Gap in the Knowledge

• Little is documented about how these strategies impact students’ learning or self-efficacy.

• Nurse educators do not understand how students respond to specific teaching strategies

• New focus is on Clinical Simulation – YET classroom teaching is not changing
Conceptual/Theoretical Framework

- Bandura’s Theory of Self-Efficacy

UNC Charlotte
http://teaching.uncc.edu/academic-technologies/active-learning-classrooms
Methodology

- Quantitative, correlational study
- Data collected from an anonymous online survey questionnaire
  - Demographic information-
    - gender
    - age group
  - General Self-Efficacy evaluation at beginning and end of semester
  - Final course grade in course
Informed Consent
Collecting Data

IRB

NIH
National Institutes of Health
Research Training and Career Development

CITI
Collaborative Institutional Training Initiative
General Self-Efficacy Scale for BSN Students Study

- Schwarzer & Jerusalem, 1995
- **FREE to use for non-commercial research and development purposes**
- **Permission to adapt to your study/setting/populations**
- Has been tested across numerous populations and settings
- In samples from 23 nations, Cronbach’s alphas ranged from .76 to .90
Results

22 responses received

21 complete surveys

2 weeks for data collection
*After course completed and grades were recorded
Student Demographics

Gender:

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
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<tbody>
<tr>
<td>1</td>
<td>21</td>
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Age groups:

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Number of Students</th>
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<tbody>
<tr>
<td>18-21</td>
<td>11 students</td>
</tr>
<tr>
<td>22-25</td>
<td>5 students</td>
</tr>
<tr>
<td>25+</td>
<td>6 students</td>
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N=22
Correlation of Students’ General Self Efficacy (GSE) Scale Scores

Beginning of Semester

Questions on GSE-1 Scale

End of Semester

Questions on GSE-2 Scale
Correlation of Students’ General Self Efficacy Scale Scores with End of Course Grades

End of Semester GSE2 Scores

End of Course Grades
Limitations
Implications on Future Nursing Practice
Recommendations: Additional Interventional Studies
Why I care about EXCELLENCE in Nursing Education.....

*FOUR generations of professional nurses!
Jennifer Nicole Singel BSN, RN

University of the Incarnate Word
May 9, 2015

Laure Singel MSN, RN, BC
Old Dominion University 1983
US Air Force Nurse Corps
Mother

Shirley Pisarek PhD, MSN, RN
St. Mary's Hospital 1953
Maternal Grandmother

Juliva Singel PhD, MSN, RN
Bellevue Hospital 1945
Paternal Grandmother

Loretta Rishor RN
Grace New Haven - Yale 1925
US Army Nurse Corps WW II
Maternal Great Grandmother
Thank you
References


