KINE 3500 Motor Development - A Next Generation Course Redesign
Utilizing Emerging Technologies to Enhance Students' Engagement and Learning
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COURSE DESCRIPTION

Kinesiology 3500, Motor Development
A basic up-to-date view of the processes and mechanisms underlying the development of motor skills. Topics such as developmental motor patterns, cognitive, emotional, and physiological development, and fundamental motor pattern analysis for proper development in children will be included.

The use of clickers in the classroom helps to engage students.

N-GEN: NEXT GENERATION

- Next Generation (N-Gen) is a course redesign intended to promote higher level student learning outcomes
- Facilitated by increased levels of student engagement
- More opportunities for interactive exercises
- Designed to help students better learn and understand material
- Interactive lectures
- Experiential activities
- Significant amount of class materials in rich online environment
- Designed to make classes more enjoyable and more effective
- Designed to provide more hands-on learning and less classroom attendance
- Students must be able to manage their time and be willing to problem solve
- Exergames, such as Wii Fit and Dance Dance Revolution, help motivate and engage students

COURSE OBJECTIVES

- Use cross-cultural settings to broaden students’ perspectives in motor skill development across the lifespan
- Know the processes (social, cognitive, perceptual) involved in motor skill development across the life-span
- Know the components of motor development
- Understand the factors that influence motor development
- Know the procedures used to assess motor development
- Develop an initial program plan for motor development

STUDENT RESPONSE TO N-GEN COURSE

- Given an informal, non-rewarded, anonymous survey during class, the students were presented with 3 statements and asked to rate them based on their personal feelings:
  - “The in-class activities help me learn the class content.”
  - “The use of cross-cultural information and examples in class help to broaden my perspective.”
  - “I am satisfied with this NextGen class format (meetings, online work, debates, activities).”
- On the day the survey was given, 50 of the 58 enrolled students were in attendance.
- 49 surveys were returned.

RESULTS

- 83.7% of students (n = 41) strongly agree or agree that the activities help them learn. Only 1 student disagreed (strongly).
- 91.8% of students (n = 45) strongly agree or agree that cross-cultural examples help broaden their perspectives. Only 1 student disagreed (strongly).
- 89.8% of students (n = 44) strongly agree or agree that they are satisfied with the N-Gen class format. 6.1% (n = 3) disagreed or strongly disagreed.

CONCLUSIONS

- The KINE 3500 Motor Development N-Gen course:
  - Activities help students learn course content
  - Technologies enhance students’ engagement and learning
  - Cross-cultural examples help broaden students’ perspectives
  - Format satisfies students’ need