



## Teaching Styles in Classrooms: Are Multiple Intelligences Addressed in GPS Courses?

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### Problem Statement

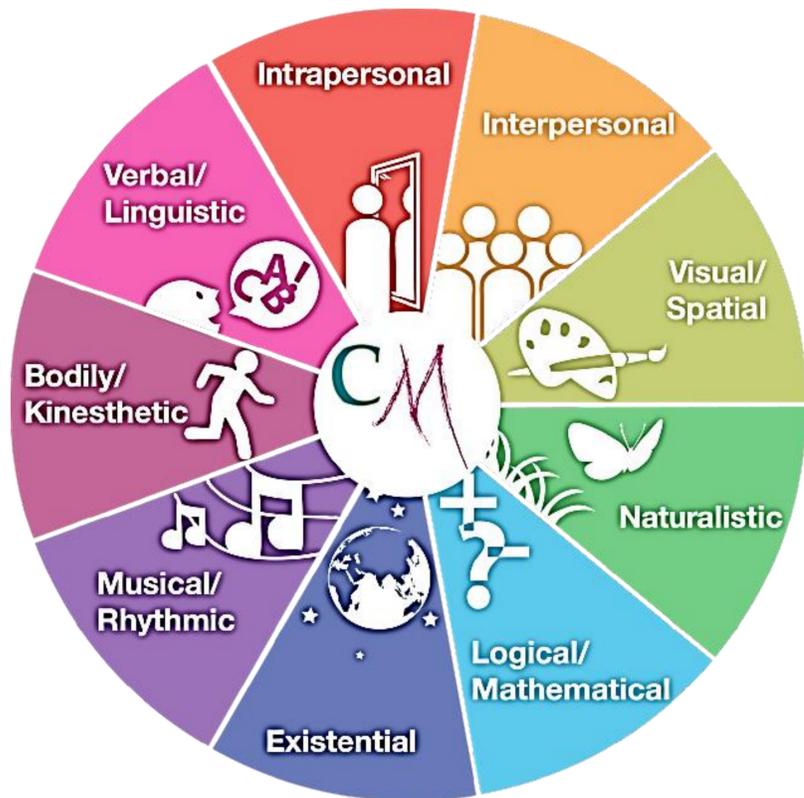
Instruction in WPI courses has not been assessed according to Gardner's Theory of Multiple Intelligences.

### Solution

Professors completed self-assessments and students completed surveys. The results were then compiled and compared.

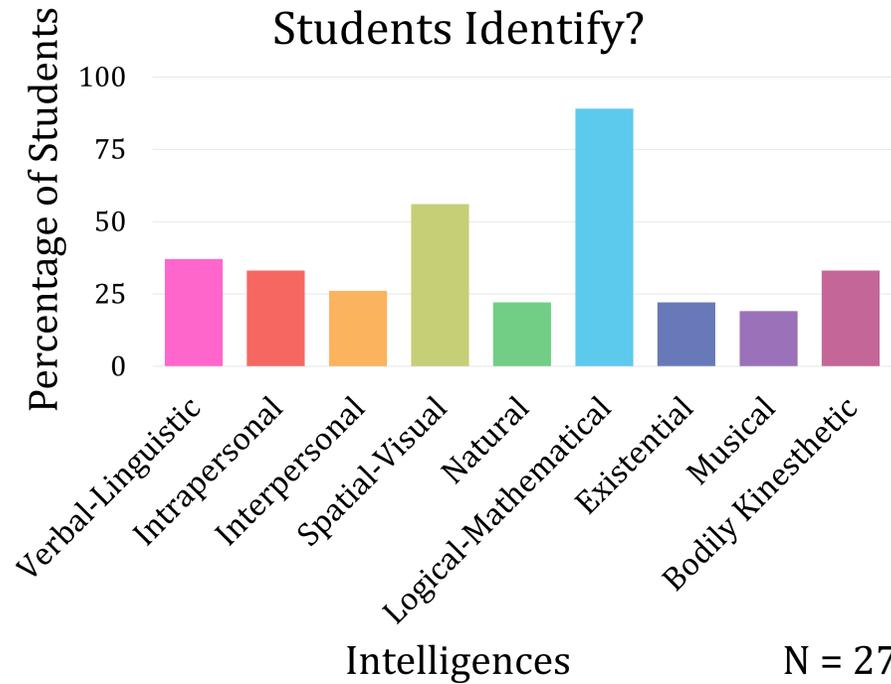
### Multiple Intelligences Theory

In 1983, Gardner proposed seven intelligences an individual can possess. In 1995 he proposed an eighth (Naturalistic) and in 1999 the ninth (Existential).

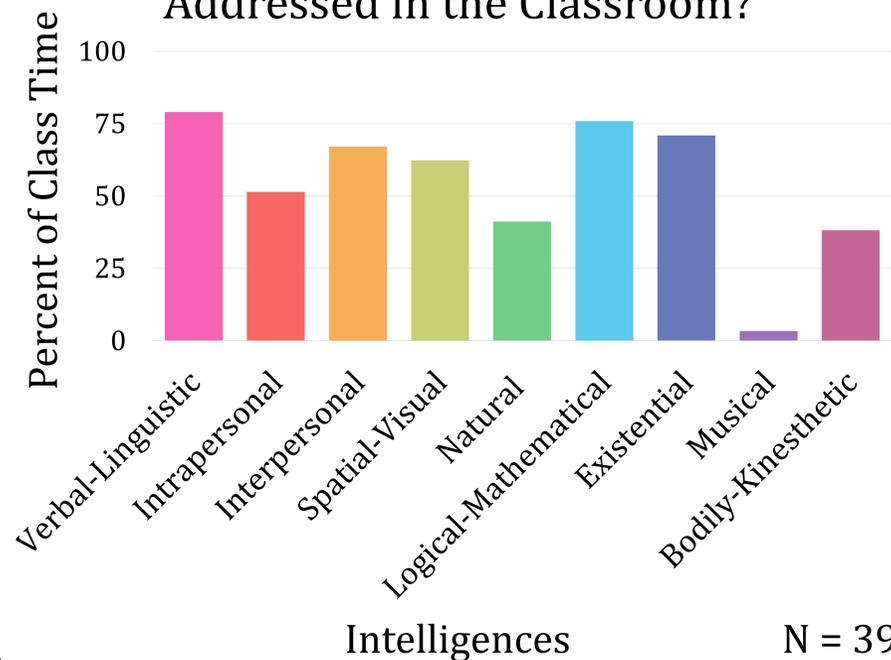


### Results

With Which Intelligences Do Students Identify?



How Often is Each Intelligence Addressed in the Classroom?



### Methods

- Survey GPS courses electronically
- Questions were standardized and anonymous

### Recommendations

The intelligences Natural, Musical, and Bodily-Kinesthetic need to be addressed in the classroom more often.

#### Natural:

- Using metaphors and explanations that relate to nature
- Observing natural patterns and designs

#### Musical:

- Use sounds related to lesson
- Incorporation of music into presentations

#### Bodily-Kinesthetic:

- Hands-on assignments
- Classroom activities involving movement

### Student Benefits

Students will:

- Perform better
- Participate more
- Retain more information
- Show more interest in the lesson
- Have more confidence

### References

Adcock, P. K. (2014). The Longevity of Multiple Intelligence Theory in Education. *The Delta Kappa Gamma Bulletin*, 80(4), 50-57. Retrieved from <https://www.dkg.org/sites/default/files/files-for-download/Summer%202014%20-%20Impact%20of%20Educational%20Reforms.pdf>  
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