Abstract Submitted
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Spinning the Innovation and Entrepreneurship Mindset: A Modern Physics Approach[1] BAHRAM ROUGHANI, Kettering University — Topics in Modern Physics course from relativity to quantum mechanics were examined in the context of innovation as part of the recent Kettering University program on "Entrepreneurship Across Curriculum-EAC." The main goals were (a) to introduce innovation and entrepreneurship without eliminating any topics from this course, (b) to use EAC as a vehicle for intentional education that produces graduates with innovative mindsets, (c) to enrich the students learning experience aligned with the desired educational outcomes, and (d) to highlight the impact of scientific innovation in the society, while encouraging students to re-think how entrepreneurship mindset could maximize their impact in the society through innovation. Ideas such as principles behind innovation and innovative ideas, disciplines of innovations, formation of innovation teams, and effective methods for analyzing innovative value propositions were introduced in this course. Most of the implementation were achieved through out of class activities, and communicated through in class presentations, papers or weekly laboratory reports.

[1]Entrepreneurship Across Curriculum (EAC) is implemented at Kettering University, a member of the Kern Entrepreneurship Education Network (KEEN), based on the support by the Kern Family Foundation.

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