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Consideration of nature of science in a modern physics course

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This study sought to determine whether adding nature of science to the physical content of modern physics course could help the undergraduate students to promote their scientific worldview and physical knowledge. Experimental and control groups of physics education students were provided with pre-exam and post-exam sheets and were interviewed after passing the course. The responses of students and interviews were analyzed qualitatively. It was concluded that learning modern physics totally changes the perspective of both groups about science considerably but the experimental group shows more promotion on their scientific worldview and physical knowledge.

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