

Abstract Submitted
for the APR13 Meeting of
The American Physical Society

Teaching Quantum Mechanics through Project-based Learning GINTARAS DUDA, Creighton University — Project/Problem-based learning (PBL) is an active area of research within the physics education research (PER) community, however, work done to date has focused on introductory courses. This talk will explore research on upper division quantum mechanics, a junior/senior level course at Creighton, which was taught using PBL pedagogy with no in-class lectures. The talk will explore: 1. student learning in light of the new pedagogy and embedded meta-cognitive self-monitoring and reflective exercises and 2. the effect of the PBL curriculum on student attitudes students' epistemologies.

Gintaras Duda
Creighton University

Date submitted: 15 Apr 2013

Electronic form version 1.4