

Please post in your department!



## Attention teachers of physics, chemistry, physical science, & math!

For summer 2022, ASU offers a program of courses  
for your professional development. 3-D learning!

These are ideal courses to meet re-certification requirements, qualify to teach Dual Enrollment/Adjunct two-year college (TYC), and become highly qualified (ESSA) in physics or chemistry. They can count towards the ASU interdisciplinary *Master of Natural Science* degree (MNS) in physics, & graduate degrees in education. TYC, CTE, and pre-service teachers find these courses useful, too.

\* If seeking to qualify to teach dual enrollment, apply to AZ Teachers Academy now, for scholarship.

\* All: apply starting in February 2022 for a partial tuition scholarship (info: jane.jackson@asu.edu).

\* Or reserve a seat for Continuing Ed. (\$400; need not apply to ASU. Use your school Title II funds.)

Modeling Instruction is designated as an *Exemplary K-12 science program & Promising Technology program* by the U.S. Department of Education. It is rated an *Accomplished STEM program* by Change the Equation. It won the "Excellence in Physics Education" award of the American Physical Society.

### Modeling Workshops: (each is 3 credits)

June 6-24: (on Tempe campus. MTWTh 8am-3:30pm. 8am - noon on Fridays)

**PHS 530/PHY 480:** Methods of Teaching Physics I: mechanics (Jeff Steinert, instructor. PS-H356)

**PHS 594/PHY 494:** Modeling Workshop in CASTLE Electricity (Agatha Andersen, instr. PS-H357)

**CHM 594/CHM 480:** Modeling Instruction in Chemistry I / Methods of Teaching Chemistry I  
(Mitch Sweet, instructor, with Justin Sheets. PS-H366.)

June 27 to Wednesday, July 13: (on Tempe campus. MTWThF 8am-3:30pm. No class on July 4)

**PHS 594/CHM 594:** Thermodynamics Modeling Workshop (Levi Torrison, with Phil Root)

June 27 – July 28 courses: (each is 3 credits. No class on July 4)

**PHS 550:** Physics and Astronomy (1:00 – 3:30pm MTWR. Carl Covatto, instructor. PS-H355)

**PHS 560/CHM 560:** Matter and Light (4:00-6:30pm MTWR. Robert Culbertson, instructor. PS-H356)

**PHS 598:** Leadership Workshop (4 Fridays at 1:10. June 10&17, July 15&22. Jim Archambault. 1 cr)

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Visit <http://physics.asu.edu>. For more information, visit <http://modeling.asu.edu> and click on *ASU Summer Graduate Program for Teachers of Physical Sciences*. For help with tuition scholarships, CEUs, or family and dorm housing, e-mail Jane.Jackson@asu.edu, 480-314-1522. If you want grad credit, apply to ASU as a nondegree summer grad student (\$70 appl fee) at least 2 weeks before your course begins -- no transcripts needed. Register for your course after May 18, but at least 1 week before course begins.

