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

For summer 2019, ASU offers a program of courses for your professional development.

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.

* Apply NOW for a partial tuition scholarship: https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses
* or reserve a seat NOW for Continuing Ed. ($400; need not apply to ASU. $200 if out-of-pocket). https://physics.asu.edu/content/modeling-instruction-application-reserve-seat-ceu

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:** (3 credits)
June 3-20: **PHS 530/PHY 480**: mechanics (Jeff Hengesbach, instr. Estrella Mtn CC. MTWR 8-4:30pm)

June 10-28: (on Tempe campus. MTWTh 8am-3:30pm. 8am - noon on Fridays)
**PHS 530/PHY 480**: Methods of Teaching Physics I: mechanics (Jeff Steinert, instructor)
**PHS 594/PHY 494**: Modeling Workshop in CASTLE Electricity (Agatha Andersen, instructor)

**CHM 594/CHM 480**: Modeling Instruction in Chemistry I / Methods of Teaching Chemistry I
(Mitch Sweet, instructor. Held at Scottsdale Comm. College. June 10-27. MTWR 8am-4:30pm.)

July 8-18: **CHM 594**: Modeling Instruction in Chemistry II (2 cr. Levi Torrison, instr. M-F 8-3:30)

**July 1 – Aug 1 courses:**
**PHS 560/CHM 560**: Matter and Light (1:00-3:30pm MTWR. Robert Culbertson, instructor)
**PHS 550**: Physics and Astronomy (4 – 6:30pm MTWR. Carl Covatto, instructor)

**PHS 598**: Leadership Workshop (some Friday afternoons, June 14-July. Jim Archambault, instr. 1 cr)

Visit [http://physics.asu.edu](http://physics.asu.edu), hover on "Admission", scroll down to MNS Admission or Modeling Instruction. For more information, visit [http://modeling.asu.edu](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. Apply to ASU as a nondegree summer grad student ($70 fee) by May 10 or at least 2 weeks before your course begins -- no transcripts needed.