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

For summer 2021, ASU offers LIVE REMOTE & IN-PERSON courses for 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 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. 3-dimensional learning!

Top priority to tuition-paying participants; 2nd priority for Arizona teachers who take for Continuing Ed.

* Apply after mid-Feb. 2021 for a partial tuition scholarship. We have funds for AZ teachers! http://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses

* or reserve a seat after mid-Feb. for non-credit ($400 AZ; $650 non-AZ; need not apply to ASU) http://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.

**LIVE ONLINE i-courses in Modeling Instruction** (3 credits each)
June 7 to July 13 (Tuesday): (Zoom meetings MTWThF 8:30 to 11 am, AZ time)
**PHS 530/PHY 480**: Methods of Teaching Physics I: mechanics. Prerequisite: 2 sem. coll. physics
**CHM 594/CHM 480**: Modeling Instruction in Chemistry I / Methods of Teaching Chemistry I (Mitch Sweet, instructor; Justin Sheets, peer co-leader. Prereq: 2 semesters college chemistry)

June 7 to 24: (Zoom meetings MTWTh 8:30 am to 12:30 AZ time)
**CHM 594**: Modeling Instruction in Chemistry II (Larry Dukerich, Erica Posthuma. Prereq: Chem I)

**IN-PERSON or ASUsync courses: June 7 to 25** (3 credits each)
**PHS 530/PHY 480**: Methods of Teaching Physics I: mechanics (Jeff Steinert). M-Th 8-3:30, F 8-noon
**PHS 598**: Physics of Music & Musical Instruments (R Culbertson. Prereq: PHS530) M-Th 8:30-12:15

**Other courses: June 28 to July 29** (3 credits each)
**PHS 570**: Spacetime Physics (in-person; or asynchronous & Zoom. 1–3:30pm MTWTh. Carl Covatto)
**PHS 581/CHM 581**: Structure of Matter (choose in-person or Zoom. 4-6:30pm MTWTh. Culbertson)

Visit http://physics.asu.edu, hover on "Admission", scroll down to MNS Admission or Modeling Instruction Program. For information, visit http://modeling.asu.edu and click on ASU Summer Graduate Program for Teachers of Physical Sciences. For help with tuition scholarships or Continuing Ed, e-mail Jane.Jackson@asu.edu, 480-314-1522. If you want grad credit, apply to ASU as a nondegree summer 2021 grad student ($70 appl fee), at http://admission.asu.edu/graduate/nondegree -- no transcripts needed. Register for your course at least 1 week before course begins to avoid $50 late fee.