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

For summer 2020, ASU offers a program of LIVE REMOTE 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 NOW for a partial tuition scholarship: http://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 AZ) 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.

**Modeling Instruction LIVE REMOTE courses:** (3 credits)

**June 8 to July 14 (Tuesday):** (Zoom meetings MTWThF 8:30 to 11 am, Arizona time)

**PHS 530/PHY 480:** Methods of Teaching Physics I: mechanics (Jeff Steinert & M Girmscheid)

**CHM 594/CHM 480:** Modeling Instruction in Chemistry I / Methods of Teaching Chemistry I
   (Mitch Sweet, instructor, & Justin Sheets, peer co-leader)

**June 8 to 26:** (Zoom meetings MTWThF 8 to 11 am, Arizona time)

**PHS 531/PHY 494:** Modeling Instruction in Electricity & Magnetism (Holly McTernan, Jess Dykes)

**Other courses: June 29 to July 30** (no classes on Friday, July 3. ASU is closed that day.)

**PHS 556:** Astrophysics (Mostly asynchronous. Sometimes Zoom. 1–3:30pm MTWTh. Carl Covatto)

**PHS 540/CHM 540:** Integr Physics & Chem (Zoom meetings 4-6:30pm MTWTh. Bob Culbertson)

**PHS 598:** Leadership Workshop (4 Fridays at 1:10. June 12 &19, July 17&24. Jim Archambault. 1 cr)

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 grad student ($70 appl fee) ASAP, at http://admission.asu.edu/graduate/nondegree -- no transcripts needed. Register for your course ASAP, at least 1 week before course begins to avoid $50 late fee.