Please post in your department!

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

For summer 2020, 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.

* Apply after January 2020 for a partial tuition scholarship: [https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses](https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses)

* or reserve a seat after Jan. 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](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 8-26: (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 531/PHY 494:** Modeling Workshop in Electricity & Magnetism (Holly McTernan, instr. H357)

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

June 29-July 10: **CHM 594:** Modeling Instruction in Chemistry II (2 cr. M-F 8-3:30. No class July 3.)

**Other courses:** **June 29 – July 30** (no classes on Friday, July 3):

**PHS 556:** Astrophysics (1 – 3:30pm MTWR. Carl Covatto, instructor. PS-H355)

**PHS 540/CHM 540:** Integr Physics & Chem (4-6:30pm MTWR. Bob Culbertson, instr. PS-H356)

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

Visit [http://physics.asu.edu](http://physics.asu.edu), hover on "Admission", scroll down to MNS Admission or Modeling Instruction Program. 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. 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.