Please post in your department!

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

For summer 2018, 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. CTE, TYC, and pre-service teachers find these courses useful, too.

* Tuition scholarships: [https://graduate.asu.edu/faculty-graduate-credit-options](https://graduate.asu.edu/faculty-graduate-credit-options) (MCCCD DE faculty); [https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses](https://physics.asu.edu/content/partial-tuition-scholarship-mnsmodeling-instruction-courses).

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. MTWTh 8am-3:30pm. 8am - noon on Fridays)
June 11-29:
- **PHS 530/PHY 480:** Methods of Teaching Physics I: mechanics (Jeff Steinert, instructor)
- **PHS 594/PHY 494:** Modeling Workshop in Mechanical Waves & Sound (Michael Crofton, instructor)
- **CHM 594/CHM 480:** Modeling Instruction in Chemistry I / Methods of Teaching Chemistry I (Mitch Sweet, instructor. Held at Tempe Preparatory Academy in Mitch’s classroom)

June 4-21: **PHS 530/PHY 480:** Methods of Tch Physics I: mechanics (at Estrella Mountain CC in Avondale. Jeff Hengesbach, instructor.) **MTWTh 8am-4:30pm** Reply to jane.jackson@asu.edu.

July 5-17: **CHM 594/PHS 594:** Thermodynamics Modl Workshop (Levi Torrison, 2 cr) **M-F 8-3:30**

**July 2 – Aug 2 courses:**
- **PHS 581/CHM 581:** Structure of Matter (1:00-3:30pm MTWR. Robert Culbertson, instructor)
- **PHS 542:** Integrated Math & Physics (4 – 6:30pm MTWR. Bob Rowley, instr. D Hestenes, Jl 3&5)
- **PHS 598:** Leadership Workshop (some Friday afternoons, June 15-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 individual housing, e-mail Jane.Jackson@asu.edu, 480-965-8438 or 480-314-1522. By May 13, apply online to ASU as a nondegree graduate student for summer (& pay $70 fee) -- no transcripts needed.