

MODELING INSTRUCTION IN CHEMISTRY

JUNE 17 – JUNE 29, 2019

FORT HAYS STATE UNIVERSITY

The Modeling Instruction in Chemistry is an intensive 2-week course, for in-service and pre-service teachers, focusing on how to address core concepts in chemistry from a model-centered perspective. Central to engaging students in the science and engineering practices in the Next Generation Science Standards is “developing and using models”. This course will train teachers in the use of a three-dimensional teaching approach, and at the same time improve their content knowledge in chemistry.

Workshop goals:

- Improve instructional pedagogy by implement a research-based instructional strategy, inquiry methods, critical and creative thinking, cooperative learning, use of standardized evaluation instruments, and effective use of classroom technology in instruction.
- Deepen content understanding in chemistry by using multiple representational tools to constructing scientific models.
- Learn effective pedagogical strategies from a veteran educator who models these strategies throughout the workshop
- Participate in an on-going collaboration among the partners through a statewide professional learning community of in-service teachers.
- Enhance/improve student learning in chemistry
- Implement an NGSS aligned science program into your school district.

- Registration fee to cover materials and supplies \$250 paid by check to SMEI. Registration fee is refundable until May 17, 2019.
- Optional 3 graduate credit hours available (\$40 graduate application fee for non degree seeking student plus \$863.25 tuition)
- Optional housing in FHSU Residential Hall with meals for 2 weeks \$300 paid by check to SMEI.
- Registration deadline is May 17th, 2019. Workshop is limited to 24 participants. To register www.fhsu.edu/smei/workshops/index



FORT HAYS STATE UNIVERSITY
SCIENCE AND MATHEMATICS
EDUCATION INSTITUTE

Forward thinking. World ready.



FORT HAYS STATE UNIVERSITY
WERTH COLLEGE OF SCIENCE, TECHNOLOGY AND MATHEMATICS
Department of Chemistry

Forward thinking. World ready.