

# Master Physics Teacher Certificate

Department of Physics, Southern Methodist University

Science teachers seeking  
physics content training

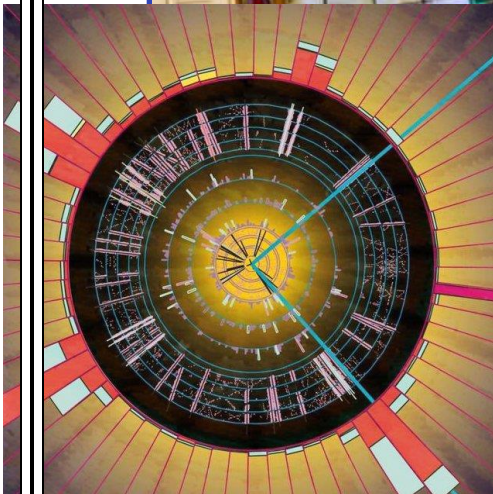
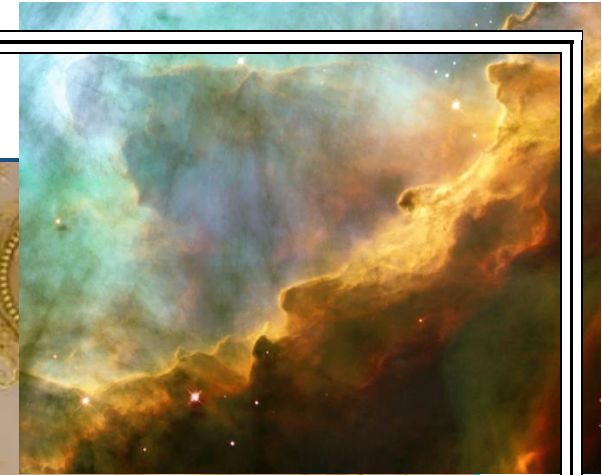
New teachers seeking  
classroom ideas & resources

Physics teachers seeking  
deeper subject knowledge

**Mechanics**

**Electromagnetism**

**Modern Physics**



SMU Physics department offers 4 physics content and subject-specific pedagogy modules, taught tuition-free by expert instructors, aimed at professional development of science educators who are teaching physics out-of-subject. Modules on Mechanics and on Electromagnetism are algebra-based modeling workshops for high school teachers. The Module on Conceptual Modern Physics for both middle and high school teachers. The capstone “QuarkNet” module is focused on enquiry-based learning. Each module (except QuarkNet) may be taken as a stand-alone and successful completion of all four leads to the Master Physics Teacher Certificate.

Find out more at <http://www.smu.edu/Dedman/Academics/Programs/masterphysicsteachercertificate>



**Modules coming up . . . .**

**2020: weekdays 8:15 am - 3:30 pm**  
**June 17 - July 1, July 7-10**  
**MECHANICS modeling**  
Lead Instructor: Nicholas Park

planned for summer 2021  
**CONCEPTUAL MODERN PHYSICS**  
**ELECTROMAGNETISM modeling**  
**QUARKNET**

**2020: July TBA, 9 am - 4 pm**  
**QUARKNET**  
Lead Instructors: SMU faculty

*To find out if this is right for you, send a paragraph describing your science & teaching background to [sdalley@smu.edu](mailto:sdalley@smu.edu). Each module has a \$100 materials fee but is tuition-free. QuarkNet pays a \$100/day stipend. Open to US residents only.*