This interactive workshop series consists of two full-day workshops and an evening workshop at the MTU Observatory. This series will focus on how to set measurable student learning objectives in astronomy for the secondary science classroom. Participants will learn how to create productive learning environments by focusing on set learning objectives, using interactive lectures, peer instruction, engaging demonstrations, collaborative groups and observational projects.

**Instructor: Dr. Wellesley Pereira**
Dr. Pereira is a dynamic instructor who communicates his love for astronomy to his students. He received the Outstanding Teacher Assistant Award from the American Association of Physics Teachers for his ability to make complex subjects understandable to his audience. He has taught Introductory Astronomy, Perspectives in Cosmology and Astronomy Labs at MTU.

**Astronomy Workshop 1**  
October 14, 2005  
8:30am-3:30pm  
ATDC Building on the MTU Campus  
0.5 SB-CEU

**Astronomy Workshop 2**  
October 14, 2005  
8:30pm- 11pm  
MTU Observatory (transportation from MTU to the observatory will be provided)

**Astronomy Workshop 3**  
November 21, 2005  
8:30am-3:30pm  
MTU  
0.5 SB-CEU

**This workshop series is free to teachers,** due to a grant from the Michigan Space Grant Consortium. Grant funds will cover all workshop materials, transportation to MTU Observatory, and lunch at the November 21 workshop.

1.0 graduate credit from MTU is available for participants that attend the whole series. The cost of MTU credit is the responsibility of participant.

**Registration limited to 20 teachers on a first-come first-serve basis.**
**To register for the series:**
contact Loret Roberts at 906-482-0331 or loret@copperisd.org
This workshop is sponsored by the Western UP Center for Science, Mathematics and Environmental Education with funding from the Michigan Space Grant Consortium.