

Woodrow Wilson Indiana Teaching Fellows Program
at Ball State University

Summer 2010 Overall Eight-Week Schedule

| Weeks 1 and 2 | Weeks 3 and 4 | Weeks 5 and 6 | Weeks 7 and 8 |
|---|--|---|--|
| Experiences in: | | | |
| Community Settings, such as Boys and Girls Clubs, MOMS | | School, Science/Math Camp, Informal Science Settings | |
| Theme I: Motivation and Learning Environments | Theme II: Adoles- cent & Cognitive Development | Theme III: STEM Student Learning | Theme IV: Effective STEM Teaching |
| <u>Faculty:</u> G. Park S. Watson J. Beilke | <u>Faculty:</u> W. Mucherah G. Park | <u>Faculty:</u> J. Bryan A. Leitze C. Siebert | <u>Faculty:</u> J. Bryan A. Leitze C. Siebert |

Explanatory Notes:

1. There is a purposeful progression of content across the eight weeks from module to module. We begin with the social, cultural, historical context within which today's educational systems function. With this background, we move to a focus on adolescents and what they are like. Upon this foundation, we examine effective approaches to teaching science and mathematics for student learning.
2. A Technology strand cuts across all themes, and includes, in addition to learning about the use and role of technology in teaching and learning, designing a digital portfolio, and using tools such as Blackboard, iChat, and Skype.
3. Modules for each theme include objectives, learning activities, a reading list, and assessment. The summer modules together will constitute a basic introductory knowledge base for Fellows.
4. The off-campus experiences inform the on-campus work and vice-versa.
5. On-campus instruction during each theme will model active learning strategies, with a minimum of lecturing. Classroom experiences rely on Fellows as excellent students, having completed the background reading/study.
6. During weeks 5-8, Fellows will be divided into separate mathematics and physics groups for many of the classroom and laboratory experiences.