July 15-19, 2013

About the Institute

This five-day Institute is designed to provide teachers (grades 3-12) with an understanding of and ability to teach about Michigan forests:

- Field trips to Hardwoods of Michigan sawmill and kiln-drying operation, a school forest, and an overnight at Hawk Woods Nature Center
- Presenters include scientists, university faculty, natural resource managers, and expert educators.

Through lecture, hands-on data collection, field trips, and pre-course readings, participants will obtain new knowledge and skills that can be incorporated into their science, social studies or math curriculum.

Teachers will receive $100 of classroom supplies, including field guides and Project Learning Tree (PLT) K-8 Activity Guide and PLT Focus on Forests.

The Institute will provide participants with standards-based professional development, an opportunity to participate in real-world, inquiry-based investigations, and time to share teaching ideas with their peers.

Topics addressed in the institute include tree ID, wildlife ecology, invasive species, insects & disease, forest measurements, urban forest management.

Participants will gain a sense of forest stewardship—by better understanding how human activities interact with forest health. Participants will enhance their teaching skills—by sharing ideas and innovative approaches to curriculum development and delivery with other educators; and will be better able to guide their students’ interest in natural resource careers.

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This Institute is made possible with generous support from the U.S. Forest Service and Michigan Forest Foundation

Coordinated by: Michigan Technological University Center for Science and Environmental Outreach and School of Forest Resources & Environmental Science

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Urban Forest Ecology at Belle Isle
June 23-27, 2014

Application Deadline: June 2, 2014

◇ Cost: $250* includes 2 graduate credits (MTU), 5 lunches, field trips and $100 classroom supplies.
  *Cost is reduced due to generous support from a U.S. Forest Service grant to help reduce official MTU tuition (2013/14 Official Applied Science Education Graduate Resident & Non-Resident tuition is $514 per credit).

◇ Register online: wupcenter.mtu.edu
◇ Payment due June 2nd
◇ Limited to 20 participants

For More Information:
Joan Chadde, Course Coordinator
Michigan Tech University
Email: jchadde@mtu.edu
Tel: 906.487.3341

Registration Open ] until Classes are filled
Course Credit & Requirements
Participants earn two graduate credits (ED5630) upon completion of all course requirements:

◊ Complete pre-course readings and reflections.
◊ Attend and participate fully in entire institute.
◊ **Develop two lessons** that incorporate topics and resources from the Institute (using the rubric provided) and meet Michigan (or national) content expectations. Participants should plan to implement the lessons during the 2014-15 school year. **Due September 8th.**

Location:
The Institute will take place on beautiful and unique Belle Isle. Explore the woodlands and make plans to bring your class for a visit. Enjoy an overnight at Hawk Woods Nature Center,

**Master of Applied Science Education (MTU):**
Credits earned from this institute can be applied to an 18 semester-hour planned course of study for teachers working towards their Michigan Professional Certificate or toward a Master of Science in Applied Science Education.

**Cost:** $250 includes 2 credits, five lunches, field trips, and classroom supplies. Cost has been reduced through generous support from a U.S. Forest Service grant to help reduce official MTU tuition (2013/14 Official Applied Science Education Graduate Resident and Non-Resident tuition is $514 per credit). **Payment due June 2nd. Pay by credit card, by calling MTU Cashier 906-487-2247.**

Complete institute application online:
http://wupcenter.mtu.edu
**Application deadline June 2, 2014**
**Full payment due June 2nd.**

Complete MTU non-degree credit application (http://www.mtu.edu/gradschool/admissions/apply/) and upload current teacher certification.
Lori Witting, Teacher PD Coordinator
Cognitive & Learning Sciences
Michigan Technological University
Work: 906-487-2263 Fax 906-487-2468
Cell 906-370-9748 Email: lori@mtu.edu