

For K-12 Teachers & Educators

Application Deadline:
June 1, 2012

**Includes 2 Graduate Credits
from Michigan Technological
University (ED5680)**

Cost: \$495

Limit: 20 participants



Great Lakes Maritime Teacher Institute

Monday-Friday, July 16 - 20, 2012 in Michigan's (eastern) Upper Peninsula

For More Information:

Joan Chadde, Institute Coordinator
Center for Science & Env. Outreach
Michigan Technological University
1400 Townsend Dr.
Houghton, MI 49931

Phone: 906-487-3341

Fax: 906-487-1620

Email: jchadde@mtu.edu

Explore the historical, economical and environmental aspects of Great Lakes shipping in the beautiful Upper Peninsula of Michigan!

Participants will tour Cleveland Cliff's Tilden Iron Ore Mine in Ishpeming, visit the Marquette Harbor, enjoy the Pictured Rocks National Park Boat Tour in Munising, visit the Whitefish Point Shipwreck Museum in Paradise, the Army Corps of Engineers, the Coast Guard's Vessel Traffic Service, the Soo Locks & Valley Freighter Museum in Sault Ste Marie, Port Inland limestone quarry on L. Michigan, Seul Choix lighthouse and Fayette State Park's historic iron smelting site. Participants will gain new knowledge and skills, classroom activities and resources that can be integrated into social studies, science, language arts, and math classes.

The institute will explore the many facets of the shipping industry within the context of intermodal transportation, port safety, Great Lake shipping routes and global destinations. The institute will provide teachers with a foundation in maritime transportation history, current operations, and future career opportunities.

Michigan Tech
Michigan Technological University



**Great Lakes Maritime
Research Institute**

A University of Wisconsin - Superior and
University of Minnesota Duluth Consortium



CFIRE

University of Wisconsin-Madison

Cost

The **\$495** registration includes 2 graduate credits (ED5680) from Michigan Tech University, most meals, 4 nights lodging, transportation during the institute, and museum/excursion fees. **Payment is due June 1st** by check payable to: **Michigan Tech University D93724**, or by credit card (Visa, MC, Discover) by calling the MTU Cashier's Office at 906-487-2247. Refunds only if space filled. [Generous support from the Great Lakes Maritime Research Institute and CFIRE at University of Wisconsin-Madison helps reduce the official cost of Michigan Tech tuition for both Michigan and out-of-state residents (official 2011-12 Michigan Tech Applied Science Education Graduate Tuition for Residents and Non-Residents is \$457 per credit)].

Accommodations & Meals

Registration includes meals and 4 nights lodging (double occupancy) at hotels in Marquette (one night), Sault Ste. Marie (2 nights), and Manistique (one night).

Course Credit & Requirements

To receive credit, participants must:

- Complete pre-course readings & reflections.
- Actively participate in the entire Institute.
- Design TWO lessons (rubric provided) and submit electronically by August 31, 2012.

More Information

Great Lakes Maritime Research Institute:
www.glmri.org

**National Center for Freight & Infrastructure
Research and Education (CFIRE) at
University of Wisconsin-Madison**
<http://cfire.wistrans.org>

How to Apply

Application forms at: <http://wupcenter.mtu.edu>

Application deadline: **June 1, 2012**

Submit applications to:

Joan Chadde, Institute Coordinator
Center for Science & Environmental Outreach
105 Dillman Hall—Michigan Tech University
1400 Townsend Dr., Houghton, MI 49931
Phone: 906-487-3341 FAX: 906-487-1620



Past Participants' Comments

- I gained a wealth of information.
- Excellent! Loved the firsthand experiences!
- Enthusiastic, passionate, knowledgeable presenters.
- Great variety of activities and resources provided.
- Topic is relevant and applicable for any subject area.
- Hands-on learning

