

**210:289 Studies in**

**STEM** Science, Technology,  
Engineering & Mathematics

# for Students with Disabilities

**1 graduate credit hour for \$50**

**April 1-2, 2009**

**University of Northern Iowa  
Cedar Falls, IA**

## **INSTRUCTORS**

Greg Stefanich, Professor, and Audrey Rule, Associate Professor  
UNI Department of Curriculum & Instruction

## **OVERVIEW**

This course is dedicated to improving educational experiences and educational opportunities for students with disabilities who have an interest in a Science, Technology, Engineering or Mathematics (STEM) career.

The purpose of this course is to build collaborative relationships between the various constituents that serve and provide opportunities for students with disabilities to reach their full potential.

## **TO ENROLL**

**Please submit your enrollment materials by March 23, 2009.**

### **Via the web**

[www.uni.edu/continuinged/enroll](http://www.uni.edu/continuinged/enroll)  
Choose "All other courses ..."

### **Request an enrollment form**

E-mail: [ContinuingEd@uni.edu](mailto:ContinuingEd@uni.edu)  
Phone: 319-273-2504 or  
800-772-1746 (toll free)



# 210:289 Studies in STEM for Students with Disabilities

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The purpose of this course is to 1) improve attitudes toward, 2) investigate ways to better support and 3) plan accommodations/support for secondary and post-secondary students with disabilities who have interests in Science, Technology, Engineering and Mathematics (STEM).

## Course discussions include the following:

- Examine ways to support students with STEM interests transitioning from high school to post-secondary education.
- Investigate ways to support students with STEM interests transitioning from community colleges into STEM majors in 4-year colleges and universities.
- Explore options for resolution of issues.
- Advance recommendations for improving the quality of STEM education for students with disabilities.

## Questions to be addressed include the following:

1. How do we prepare ALL students in high school and post-secondary education to be successful in STEM classes and programs?
2. How do we help teachers, students and parents set expectations and life directions and access opportunities and resources in STEM fields?
3. How do we develop and support educators to smooth the progress of students with disabilities as they transition through educational channels?
4. How do we strengthen the relationship between secondary education and post-secondary education?
5. How do we build commitment and common direction with community, business and policy influences that impact education?
6. How do we develop and support policymakers to assist with increased participation in STEM among students with disabilities?

## Additional Requirements

Students will prepare and submit a paper addressing research and or a scholarly narrative addressing one or more of the questions noted in the course outcomes.

# Tentative Schedule

Wednesday, April 1, 2009

University of Northern Iowa's Maucker Union Ballrooms

- 8:00 am Meeting with high school STEM teachers
- 10:00 am Continental Breakfast, Lobby
- 10:30 am Welcome, Pre-Assessment
- 10:45 am Panel – Community Colleges
- 12:00 noon Lunch
- 1:00 pm Panel – Regent Universities
- 2:15 pm Break
- 2:30 pm Panel – MIDWEST, et al
- 3:45 pm Summation – Ideas, Plans, Next Steps
- 6:30 pm Reception in Georgian Lounge, UNI Commons
- 7:00 pm Dinner – Suggestions from Students and Parents
- 8:45 pm Closing Comments

Thursday, April 2, 2009

University of Northern Iowa's Maucker Union Ballrooms

- 8:30 am Continental Breakfast, Lobby
- 9:00 am Welcome
- 9:15 am Break-out Groups
- 10:30 am Break
- 10:45 am Break-out Groups
- 12:00 noon Lunch
- 1:00 pm Apply ideas to improve practice
- 2:15 pm Synthesis and Sharing
- 2:45 pm Post-Workshop Assessment
- 3:00 pm Adjourn

## Grant support reduces costs

Due to support from The Iowa Mathematics and Science Education Partnership, the cost for one hour of graduate credit is \$50.

The Iowa Mathematics and Science Education Partnership (IMSEP) is a state funded initiative led by the University of Northern Iowa, in partnership with Iowa State University and the University of Iowa. IMSEP's goals are to improve the mathematics and science performance of Iowa students; to prepare more high quality mathematics and science teachers for Iowa's schools; and to promote statewide collaboration and cooperation.



## More information

### Enrollment and billing

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### Course content

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