Educational Research - online (2342)

WITH: Howard Troughton

DATES: July 25 to October 2, 2016
LOCATION: Online

DESCRIPTION
This course focuses on past and current research in education. Theories, research and implications for instructional practice are emphasized. Candidates are given appropriate instruction on the consumption of research, use of data tools such as Excel, the understanding and development of classroom and action research, and various methodologies associated with educational research. Candidates read studies that test all theories against one another at different points in time. Candidates also develop an understanding of longitudinal studies, sampling procedures, and research bias evaluating competing theories. Candidates report implications for teaching. Finally, candidates develop a capstone project.

GOALS / OBJECTIVES
Candidates will:
- Research theories in education
- Critique current and commonly accepted articles in the field of education
- Research a specific topic surrounding current practices in education
- Develop a classroom intervention proposal to implement in a class or school
- Design research questions to be answered by the classroom capstone project
- Write a literature review for the classroom capstone project

CONNECTIONS WITH INITIATIVES
MA Curriculum Framework in Mathematics and Common Core State Standards

INTENDED AUDIENCE
This course is designed for all current and aspiring math educators and specialists, instructional specialists, and department chairs.

NUMBER OF TOTAL SESSIONS: 10 weeks
NUMBER OF TOTAL HOURS: 39
CREDITS/PDPs: 3 graduate credits from Fitchburg State University
COST: $627 course fee plus $285 for 3 credits from Fitchburg State University

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