

UNIVERSITY of  
NORTHERN COLORADO



**SCED 697, Action Research in Science Education III**

**Course Description of SCED 697:**

Complete the action research project by developing a summary and discussion. The final project must be presented to the action research committee. Final of a three course series.

**Credits:** 1 Semester Credit

**Goals of Three Course Series (SCED 695, SCED 696, SCED 697: Action Research in Science Education I, II, and III):**

- To propose, design, conduct, and report an action research project.
- To advance understanding of action research in K-12 science education.

**SCED 697 Objectives:**

- Students will complete the action research report (chapter 5).
- Students will defend the final project in a formal public presentation.

**Prerequisites:** SCED 696

**Required Texts:**

The action research project guidelines. (2009) (Available in the Course Materials on Blackboard)

Mills, G. E. (2007). [Action research: A guide for the teacher](#) (3rd ed.). Upper Saddle River, NJ: Prentice Hall.

**Optional Texts:**

Johnson, A. P. A short guide to action research (2nd ed.). Boston: Pearson. Sagor, R. (1992). How to conduct collaborative action research. Alexandria, VA: ASCD.

Hubbard, R. S., & Power, B. M. (2003). The art of classroom inquiry: A handbook for teacher-researchers (Revised Edition). Portsmouth, NH: Heinemann.

## Technical Requirements:

Access to a computer with high-speed Internet access.

Acrobat Reader (Available at [www.adobe.com/products/acrobat/readstep2.html](http://www.adobe.com/products/acrobat/readstep2.html))

Word Processor (preferable Microsoft Word)

## EVALUATION

### Grading allotment:

- ◆ 100 points Action Research Report

### Final grade assignment by points:

- ◆  $90 \leq A \leq 100$
- ◆  $80 \leq B < 90$
- ◆  $70 \leq C < 80$
- ◆  $60 \leq D < 70$
- ◆  $0 \leq F < 60$

## COURSE SCHEDULE

Each evaluated task (i.e., assignment, summary and critique, or progress check) will be due every week. (Note that during UNC's Spring Break no work is expected. Please adjust your schedule accordingly.) Research proposal is due on Monday of Finals Week. All tasks are due by 5:00 PM on the Monday indicated in the table below. Work may be submitted in the Submissions section on Blackboard or via e-mail to your instructor by the posted due date.

Week	Course Task	Date Due	Corresponding Textbook Chapter	Chapter for Action Research Report
<b>Week One Through Week Two</b>	Assignment 1 – Personal Implications	Friday of Week Two	Mills: Chapter 8 & 9	Summary and Discussion
<b>Week Three</b>	Assignment 2 – Professional Implications	Friday of Week Three	Mills: Chapter 8 & 9	Summary and Discussion
<b>Week Four Through Week Seven</b>	Assignment 4 – Complete Summary	Friday Week Seven	Mills: Chapter 8 & 9	Summary and Discussion
<b>Week Eight Through Week Nine</b>	Assignment 5 – Complete Discussion	Friday of Week Nine	Mills: Chapter 8 & 9	Summary and Discussion
<b>Week Ten</b>	Action Research Report; Presentation Preparation	Friday of Week Ten		
<b>Week Eleven</b>	Formal Action	Friday of Week		

### **Final Action Research Project Report:**

You are required to develop and present your final action research project report to your advisor and two other faculty members at least two weeks before your presentation. The presentation must be scheduled at least one week before the Graduate School deadline of reporting comprehensive exam results (normally this is the twelfth week of the semester, but do check Graduate School Deadlines). Satisfactory progress in the writing of this project report includes obtaining the level of proficiency or above on each of the performance indicators of the Action Research Report Rubric.

### **Formal Action Research Presentation**

You are required to present your action research report in a formal public setting with your advisory committee. The presentation must be scheduled at least one week before the Graduate School deadline of reporting comprehensive exam results (normally this is the twelfth week of the semester, but do check Graduate School Deadlines).

### **PROFESSIONAL CONDUCT**

#### **Disability Support Services:**

Any student requesting disability accommodation for this class must inform the instructor giving appropriate notice. Students are encouraged to contact Disability Support Services (970) 351-2289 to certify documentation of disability and to ensure appropriate accommodations are implemented in a timely manner.

#### **Honor Code:**

All members of the University of Northern Colorado community are entrusted with the responsibility to uphold and promote five fundamental values: Honesty, Trust, Respect, Fairness, and Responsibility. These core elements foster an atmosphere, inside and outside of the classroom, which serves as a foundation and guides the UNC community's academic, professional, and personal growth. Endorsement of these core elements by students, faculty, staff, administration, and trustees strengthens the integrity and value of our academic climate.