

**Designs for Learning: Science
(Elementary & Secondary)**

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Monday/Saturday 8:30-12:20

PREREQUISITE:

Educ 401/402

Course Objectives

- students will examine and develop their own approaches to teaching Science as well as analyzing current research.
- students will build a repertoire of practical skills involving the discovery method (inquiry, problems approach)
- students will develop strategies that encourage participation of all students as well as promote critical thinking.

Evaluation

Student evaluations will be based on a combination of self, peer, and instructor evaluations.

20% Mini-Presentation (TBA)

25% 3-page Essay

35% Unit Plan (Individual or Group)

20% Unit Presentation (Individual or Group)

Assignments

NB: Late assignments will only be accepted with a doctor's note.

1) Mini-presentation

20%

responsibilities TBD by members.

Group presentation which includes an activity and assessment

*Sign up during first class, to be completed in groups, division of

2) Essay

25%

3-page essay

Topic to be determined with instructor

3) Unit Plan

IRP guidelines and include rationale, materials, and assessment criteria.

a. Unit Plan (Includes 2 detailed lesson plans per member if done 35%
in groups*, or 6 lesson outlines if done individually). Must follow

b. Resources (originals or photocopies)

c. Bibliography

*Students must indicate which parts of the project they have authored.

4) Unit Presentation

20%

Oral Presentation

Self Evaluation, Peer Evaluation