

EDUC 335: Elementary Mathematics Curriculum

Field Experience Handbook

SPRING 2022

Field Experience Assignment(s):

- **Grounding Week (week 4 of the semester):**

- **Math Observations and Classroom Inventory**

- Each methods student in the field placement classroom will complete the following:

- two mathematics observations focused on collecting information about students' mathematical thinking
 - a classroom inventory checklist

- Each methods student can use his/her phone to take pictures of student work to document student thinking during their observations. The information collected will help them plan future lessons in their assigned classroom. Each methods student will write a reflection that describes the mathematics and mathematical thinking they observed.

- **Monday Field Experiences (weeks 5-12 of the semester)**

- **Individually implement a mathematics routine**

- On one of the Mondays between Grounding Week and Teaching Week, each methods student will individually teach one grade-level appropriate mathematics routine in their field placement classroom. The routine should take approximately 10-15 minutes of class time. The mathematics tasks will be chosen by the methods students (and possibly with the help of the clinical educator) based on what mathematical ideas the students are grappling with in the classroom. After implementation, each methods student will individually write a reflection on the enactment of their routine.

- **Teaching Week (week 13 of the semester)**

- **Co-teach a curriculum-based mathematics lesson**

- Partners in the field placement classroom will co-teach a grade-level appropriate mathematics lesson that is based on the curriculum used in the clinical educator's classroom. The lesson can be extended over two days, but at a minimum should approximately take 45-60 minutes of instruction. Ideally, one teacher candidate will teach half of the lesson and the field experience partner will teach the other half of the lesson. During the enactment, methods students should collect information about students thinking with respect to the learning objective(s) of the lesson. After implementation, each methods student will write a reflection that includes making claims about student understanding, providing evidence to support the claim, making hypotheses about what parts of instruction were potential strengths, and what could be revised to make the lesson better.