Dayton Area Lesson Study Group
Guidelines for Graduate Credit

Course Title: Mathematics Lesson Study
Term: Summer 2014
Course Number: ED 6900-65
Credit Hours: 1 semester credit hour

Instructors of Record:
• Dr. Ann Farrell, WSU, Mathematics Education, 120 and 213 MM Bldg, Dept of Mathematics and Statistics, ann.farrell@wright.edu, 937.775.2193 or 2785.
• Dr. Sachiko Tosa, WSU, Physics Education, Visiting Assistant Professor, Dept of Physics, sachiko.tosa@wright.edu

Goals:
• Deepen your math/science understanding through the examination of student difficulties.
• Learn effective instructional strategies and lesson planning for teaching mathematics concepts.
• Increase your ability to anticipate, react to, and reflect on students' mathematical thinking/learning.
• Develop a network for collaborative lesson planning and analysis.

Expectations:
• Earn: 1 semester graduate credit hour in education at Wright State University ($250 per credit hour)
• Participate: In all four days of the lesson study summer institute on August 4-7 from 8:30am-4pm.
• Participate: In confidential data collection surveys.
• Submit: By August 14 email to the instructors your summary paper, which includes the following:
  1. Rationale for selecting the lesson topic and any particular instructional strategies
  2. Concept map for the topic of the lesson
  3. Lesson plan using the format provided by the instructors
  4. Reflection after teaching the lesson to participants at the summer institute
  5. Reflection on the summer institute

Course Requirements:
Letter grades will be based on quality of the paper and participation at the summer institute and completion of data collection surveys. The following table shows the minimum requirements for the grades of A, B, C:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Participation</th>
<th>Quality of Paper</th>
<th>Surveys</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>4 full days</td>
<td>All prompts are addressed. Responses indicate thoughtful reflection. Writing meets high standard for mechanics of grammar, spelling and organization.</td>
<td>Yes</td>
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<tr>
<td>B</td>
<td>At least 3.5 days</td>
<td>A majority (80-90%) of the prompts are addressed. Responses indicate thoughtful reflection. Writing is above average for grammar, spelling and organization.</td>
<td>Yes</td>
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<tr>
<td>C</td>
<td>At least 3 days</td>
<td>Most of the prompts are addressed. Writing is above average.</td>
<td>Yes</td>
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Accessing Grades: Letter grades will be posted online on WINGS http://www.wright.edu

rev July 2014