

**Course Schedule – Fall 2022**  
**Teaching Science in Middle/HS**  
**EDUC 4083/4086**  
**Subject to change as per class needs**

<b>Week/Dates</b>	<b>Tuesday</b>	<b>Thursday</b>	<b>Readings and Assignments</b>
<u>Week 1</u> Aug 23 and 25	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● First Day Introductions</li> <li>● Getting to know each other</li> <li>● Expectations and Requirements for the course</li> <li>● Science Vocabulary</li> </ul>	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● Syllabus Discussion</li> <li>● TK20 and Mentor Assignments</li> <li>● Technology in the classroom</li> </ul>	Readings on D2L to prepare for class
<u>Week 2</u> Aug 30 and Sept 1	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● Science and Technology</li> <li>● Vertical Alignment</li> <li>● Creating Objectives</li> <li>● Discussion of Observations</li> </ul>	Field	Readings on D2L to prepare for class  <b>Assignment Due:</b> Technology Introduction on Sept 5th-11:30pm (Monday)
<u>Week 3</u> Sept 6 and 8	Field	Field	<b>Assignment Due:</b> Vertical Alignment on Sept 12th-11:30pm (Monday)
<u>Week 4</u> Sept 13 and 15	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● Lesson Planning</li> <li>● Backward Design</li> <li>● Differentiation</li> <li>● Assessments</li> </ul>	Field	In-Class Activities - Assessment and Differentiation  Science Topics Assigned
<u>Week 5</u> Sept 20 and 22	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● Inquiry Based Learning</li> <li>● Constructivism</li> <li>● Rights of Learner</li> <li>● Scientific Inquiry and Process</li> </ul>	Field	Readings on D2L to prepare for class  <b>Assignment Due:</b> Notice and Wonder due on Sept 26th -11:30pm (Monday)
<u>Week 6</u> Sept 27 and 29	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● Scientific Inquiry and Process</li> <li>● Science Learning, Instruction, and Assessment</li> <li>● Unit Plan Discussion</li> </ul>	Field	Readings on D2L to prepare for class
<u>Week 7</u> Oct 4 and 6	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>● Interdisciplinary Teaching</li> <li>● Use of Multicultural Literature</li> </ul>	Field	Readings on D2L to prepare for class  Partners for Group Presentations assigned

<b>Week/Dates</b>	<b>Tuesday</b>	<b>Thursday</b>	<b>Readings and Assignments</b>
<u>Week 8</u> Oct 11 and 13	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>• Presentations – Life Science</li> </ul>	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>• Presentations – Physical Science</li> </ul>	<b>Assignment Due:</b> In-Class Presentations
<u>Week 9</u> Oct 18 and 20	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>• Presentations – Earth and Space Science</li> </ul>	Field	Readings on D2L to prepare for class Unit Plan Part 1
<u>Week 10</u> Oct 25 and 27	Field	Field	Readings on D2L to prepare for class <b>Assignment Due:</b> 3-2-1 Response on Oct 31st-11:30pm (Monday)
<u>Week 11</u> Nov 1 and 3	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>• Differentiation Revisited</li> <li>• Data Analysis</li> <li>• Unit Plan Discussion</li> </ul>	Field	
<u>Week 12</u> Nov 8 and 10	Field	Field	<b>Assignment Due:</b> Station Assignment due on Nov 14th-11:30pm (Monday)
<u>Week 13</u> Nov 15 and 17	Field	Field	<b>Assignment Due:</b> Reflection Assignment due on Nov 21st-11:30pm (Monday)
<u>Week 14</u> Nov 22 and 24	<b>Work Day</b> Unit Planning and group Presentations	<b>THANKSGIVING BREAK</b>	
<u>Week 15</u> Nov 29 and Dec 1	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>• Multicultural Literature Presentations</li> </ul>	<b>Class @ BH308</b> <ul style="list-style-type: none"> <li>• Instructional Strategies</li> <li>• Documentation and other things</li> <li>• Wrap Up of the Course</li> </ul>	<b>Assignment Due:</b> Multicultural Literature Presentations in Class.
<u>Week 16</u>	Finals Week	No Class	<b>Unit Plan Due - Dec 5th -11:30pm (Monday)</b>