Midland College  
Syllabus  
Spring 2014  
CDEC 2307  
Math and Science for Early Childhood  
(2-2-0)

Course Description:  
This course is an exploration of principles, methods, and materials for teaching children math and science concepts through discovery and play.

Text, References, and Supplies:  

Notice Statement for Online Students  
Students enrolled in online courses MUST log in and actively participate by completing academic assignments required by the instructor by the official census date. Students who log in but do not actively participate in an academically-related activity will be reported as Never Attended and dropped from the course.

If you have questions or need assistance with addressing these requirements, please contact spray@midland.edu.

Course Goals/Objectives:  
Upon successful completion of the course the student should be able to:

1. relate the sequence of cognitive development to the acquisition of math and science concepts
2. describe the scientific process and its application to the early childhood indoor and outdoor learning environments
3. describe the scientific process and its application to the early childhood indoor and outdoor learning environments
4. develop strategies which promote thinking and problem-solving skills in children
5. utilize observation as a basis for planning discovery experiences for the individual child
6. create, evaluate and/or select developmentally appropriate materials, equipment and environments to support the attainment of math and science concepts and skills

Student Contribution and Class Policies:  
The Helen L. Greathouse Children’s Center, located at Midland College, is designated as the primary lab site for the completion of lab observations and assignments as specified by the instructor. The Midland College Child Care Center located at Manor Park, Inc., 2208 N. Loop 250 West or other sites may be used upon instructor’s approval prior to the completion of lab experiences.

The student will utilize text, discussions, and projects to gain understanding of math and science development in children from birth to eight. The student is expected to be knowledgeable of course material, participate in class discussions and complete all assignments.

Exams and assignments are due on the due date and cannot be made up without prior approval of the instructor.

Students who miss three assignment due dates will be dropped from the class.

A class calendar will be distributed by the instructor.

Evaluation of Students:
Course evaluation is determined by the following ratings:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Grade Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam I</td>
<td>100</td>
<td>700 - 660 = A</td>
</tr>
<tr>
<td>Posttest and Final</td>
<td>100</td>
<td>659 - 619 = B</td>
</tr>
<tr>
<td>Chapter Reviews</td>
<td>270</td>
<td>618 - 578 = C</td>
</tr>
<tr>
<td>Labs</td>
<td>180</td>
<td>577 - 537 = D</td>
</tr>
<tr>
<td>TOTAL</td>
<td>700</td>
<td>536 - 0 = F</td>
</tr>
</tbody>
</table>

Instructor Information:

Name: 
Office Location: 

Office Telephone: 
Email Address 
Office Hours: 

Division Dean: Dr. Mary E. Braselton 
Division Office Location and Telephone: MHAB 176, Social/ Behavioral Sciences and Business; 685-6829 

Students are encouraged to contact the instructor at any time; however, making an appointment will guarantee the instructor’s availability at a specific time.

Students with Disabilities

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must place documentation on file with the Counselor/Disability Specialist. Students with disabilities should notify Midland College prior to the beginning of each semester. Student Services will provide each student with a letter outlining any reasonable accommodations. The student must present the letter to the instructor at the beginning of the semester. Disability Services: For more information on MC special services see this web site: www.midland.edu/admissions/StudentServices/StudentswithDisabilities or call (432) 685-5598.