**LITERATURE, SCIENCE AND MATH**

**ED 179**

**Instructor:** Sue Doescher, Ph.D.

**Office:** LM-101

**Phone:** 541**-**917-4915 (office)

**E-mail address:** [sue.doescher@linnbenton.edu](mailto:sue.doescher@linnbenton.edu)

**Office hours:** Tuesdays, 9-11am; Fridays, 12-1pm; and by appointment

1. **Course Description**

This course focuses on understanding and creating quality curricula for young children.  It involves hands-on experience with a wide variety of activities in literature, science, and math.  The class includes planning, implementing, and evaluating learning experiences for young children.

1. **Reading Materials**

Shillady, A., Ed., (2014). *Spotlight on young children: Exploring language & literacy (LL)*. Washington, DC: NAEYC.

Shillady, A., Ed., (2012). *Spotlight on young children: Exploring math (M)*. Washington, DC: NAEYC.

Shillady, A., Eds., (2013). *Spotlight on young children: Exploring science (S)*. Washington, DC: NAEYC.

1. **Course Objectives**

Upon successful completion of ED 179, the student will:

* 1. Demonstrate knowledge of designing developmentally appropriate curricula and learning environments for young children.
  2. Apply concepts to enhance children’s literature, science and math competencies.
  3. Become acquainted with resource materials and use these resources to develop literature, science, and math activity plans for young children.
  4. Learn and practice methods of introducing literature, science, and math activities to young children and evaluate the effectiveness of these planned activities.

1. **Course Requirements**
2. Weekly Quizzes. You will read the assigned articles in the reading materials and reflect on the concepts each week. We will also discuss the articles in class and apply the information to experiences with young children.Keeping current with your assignments enhances your understanding in this class and will help you participate in weekly class learning experiences. The goal of this activity is to make class materials meaningful and useful.  (5 points X 6 quizzes/discussions = 30 points)
3. Activity Plans.  You will create a developmentally appropriate activity plan in each of the three curriculum areas:  literature, science, and math. Activity plans will be written in the “Activity Plan” format, as instructed in class. A variety of resources should be used to obtain activity ideas, e.g., curriculum books, professional magazines, and the internet. **A different source should be used for each activity plan.**  *References must be cited on each activity plan.  Activity plans must be typed. At least* ***one*** *of the activity plans in each curriculum area should reflect diversity.*

Plans will be evaluated on appropriateness, creativity, professional presentation, and efficient organization.  **Activity plans are due throughout the term.  Late papers will have 10% of their points deducted unless you discuss the circumstances with me AHEAD of time.**  Plans may be resubmitted until June 6th for re-grading. (10 points X 3 plans = 30 points)

1. Class Activities.  You will work in small groups and present one activity in each of the three curriculum areas (literature, science, and math) to the class on the assigned days.  Class members will participate in the activities and provide written feedback to you.  Activities will be evaluated on design, implementation, and evaluation.  **Make-ups will have 10% of their points deducted unless you notify me AHEAD of time.** (20 points X 3 activity presentations = 60 points)
2. Activities with Children.  You will implement three activities with your class group in the Head Start Periwinkle Child Development Center classrooms on the assigned days.  One activity will come from each of the curriculum areas of literature, science, and math.  Your group will discuss each activity plan with the classroom teacher and me at least one week in advance of conducting the activity with the children.  Assessment will be made by you, class members, and me.  **Late activities will be accepted only if there are extenuating circumstances that you discuss with me AHEAD of time.  No make-ups will be accepted after Week 10.** (20 points X 3 activities with children = 60 points)
3. Class Learning Experiences.  During class, you will participate in a variety of learning experiences that demonstrate your understanding of the class material being presented that day.  These learning experiences may include quizzes, classroom group work, reflective writing, individual activities, and small group discussions. (5 points X 10 learning experiences = 50 points)
4. Final Project.  As a way of integrating and applying course material learned throughout the term, you will develop activity plans in literature, science and math related to a children’s book and present your project in class on assigned days.  More information about the project will be discussed later.  **Due Week 10.** (30 points)

**V. Evaluation**

Quizzes/Discussions     30 points    A = 90 – 100%    (234 – 260 points)

Activity plans        30 points    B = 80 – 89%        (208 – 233 points)

Class activities        60 points    C = 70 - 79%        (182 – 207 points)

Children activities        60 points    D = 60 – 69%        (156 – 181 points)

Learning experiences    50 points    F = 59% or below    (155 or fewer points)

Final project        30 points

**TOTAL            260 points**

**VI. Calendar**

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Topic** | **Readings Due Today** | **Assignments Due Today** |
| 1--April 3 | Developmental planning |  | **Self-assessment** |
| 2--April 10 | How children learn literacy skills | **LL--pp. 3-21** | **Quiz 1** |
| 3--April 17 | Activities that  promote literacy  **LL discussion** | **LL--pp. 22-40** | **Quiz 2** |
| 4--April 24 | How children learn  math skills | **M--pp-4-9;**  **49-51** | **Quiz 3**  **Literature plan** |
| 5--May 1 | Activities that  promote math  **M discussion** | **M--pp. 28-35;**  **52-56** | **Quiz 4**  **Literature activity**  **in class** |
| 6--May 8 | How children learn science skills | **S--pp. 11-16;**  **41-47** | **Quiz 5**  **Literature activity**  **with children;**  **Math plan** |
| 7--May 15 | Activities that  promote science | **S--pp. 17-28** | **Quiz 6**  **Math activity in class** |
| 8--May 22 | Integrating curricula  **S discussion** | **S--29-40** | **Quiz 7**  **Math activity with children;**  **Science plan** |
| 9--May 29 | **Final project presentations** |  | **Quiz 8**  **Science activity in class** |
| 10--June 5 | **Final project presentations** |  | **Science activity with children;**  **Final project due** |

**The instructor reserves the right to make changes in the course schedule.**

***Note: Students who have any emergency medical information the instructor should know of, who need special arrangements in the event of an evacuation, or students with documented disabilities who may need accommodations, should make an appointment with the instructor as early as possible, no later than the first week of the term. If additional assistance is required the student should contact the Office of Disability Services (ODS) at ext. 4683.*** ***LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws.***

***(for further information*** [***http://po.linnbenton.edu/BPsandARs/***](http://po.linnbenton.edu/BPsandARs/) ***)***