

ED S122 – Introduction to Education

Upon successful completion of this course, student will be able to:

1. Describe learning and teaching, teacher effectiveness, and professionalism.
2. Identify participants in a school board meeting and be able to identify their roles of governance.
3. Compare and contrast various school models and teaching styles.
4. Analyze what it means to be an informed, reflective, and responsive teacher.
5. Research and summarize elders' schooling and educational experiences.
6. Explain classroom design and climate based on their onsite visit to a classroom.

ED S222 – Orientation to Teaching Profession

Upon successful completion of this course, student will be able to:

1. Describe components of the teaching profession, training, employment opportunities, employment outlook and teacher professionalism.
2. Explore the history of teaching, teacher ethics, classroom management, assessments, and cultural standards.
3. Identify ways to integrate students with special needs and expected accommodations they may need.
4. Identify students of diverse backgrounds and discover types of schools or programs to accommodate them.
5. Identify a range of teaching styles and teaching environments, as well as types of school programs to accommodate various types of academic programs.
6. Summarize their clinical teaching experience as a practicum student, following their 25 hours in a classroom.

ED S230 – Introduction to Educational Technology

Upon successful completion of this course, students will be able to:

1. Utilize tool software, telecommunications, computerized-assisted instruction, and multimedia in the classroom.
2. Identify classroom management strategies when using and teaching with computers and multimedia equipment.
3. Apply skills and knowledge learned to assist in effective classroom pedagogy.
4. Demonstrate use of various browsers and educational computer applications.
5. Effectively communicate information using digital-age formats.
6. Collaborate effectively toward a common goal.
7. Transfer current technology skills to new and unfamiliar tasks.
8. Contribute to a learning community in an informed and effective manner.
9. Use digital resources for research and evaluation.
10. Design a learning activity using technology.

ED S302 – Foundations of Literacy and Language Development

Upon successful completion of this course, students will be able to:

1. Discuss the developmental sequence of oral language acquisition for young children and how it varies among diverse populations.
2. Articulate the critical importance of first language learning within the home and the relevance of bi-literacy.
3. Identify and research the issues involved in first and second language acquisition.
4. Identify and demonstrate characteristics of oral language growth from birth through the school years.
5. Observe, document, and analyze the conversational patterns and/or narrative development of students from diverse cultures (Alaska Native groups) or language backgrounds.
6. Identify and explain the contribution of oral language development to memory development, cognitive development and application for academic development.
7. Analyze, measure, and apply basic language structures such as alphabetic principle, phonemic and graphemic awareness, phonological awareness, and the morphologic, syntactic, semantic and pragmatic levels in developing appropriate instructional practices.
8. Document through work samples the young child's transition from oral language to print language at the emergent and early levels.
9. Research, document, and apply current trends and practices used in support of oral language development and the transition to printed language.
10. Identify, describe, and apply the basic elements or stages of the writing process and the reading processes.

ED S320A – Art in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Create and perform in the arts.
2. Explain the historical and contemporary role of the arts in Alaska, the nation, and the world.
3. Critique the student's art and the art of others.
4. Critique beauty and meaning through the arts in the student's life.
5. Explain the place and importance of art in the curriculum.
6. Describe children's artistic development.
7. Define elements of design and how to teach them.
8. Expand repertoire of art techniques.
9. Analyze works of art.
10. Teach students how to create art projects.

ED S320B – PE in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Define physical activity and physical education.
2. Explain the difference between elementary and secondary physical education.
3. Identify physical education basics, such as grouping, motivational techniques.
4. Explain the history of physical education.
5. Identify human movement forms and physical activity as central elements to foster active, healthy lifestyles.
6. Define FITT Formula, fitness skills, and SPORT Training Principles.
7. Create a lesson plan.
8. Develop physical objectives for lessons.
9. Utilize physical education standards.
10. Identify myths and facts about exercise.
11. Demonstrate use of various differentiated plans for students with Individualized Education Plan (IEP), 504 plans, and other accommodations.

ED S320C – Music in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Identify and explain the relevance and importance of music in the K-8 curriculum.
2. Research and discuss children's musical development.
3. Utilize a variety of methods for engaging children with sound and music.
4. Provide live accompaniment to classroom singing.
5. Identify and utilize a variety of effective strategies or approaches to integrate music into classroom teaching.

ED S320D – Drama in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Discuss their philosophy of education and effectively use technology with a variety of learners.
2. Synthesize information regarding drama education philosophies, theories, and practices in order to plan effectively for instruction.
3. Use a variety of appropriate instructional strategies demonstrating a broad knowledge base of the field.
4. Produce effective lessons that reflect the professional standards for teachers of drama education.

ED S320E – Health in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Explain where to locate the National Health Education Standards (NHES) and Alaska’s “Skills for a Healthy Life” standards.
2. Explain how to address sensitive topics with students and parents regarding health topics from the National Health Education Standards (NHES).
3. Locate websites for teachers related to National Health Education Standards.
4. Identify personal wellness goals and write wellness progress report each week during the course.
5. Utilize specific choices of lesson plan format for health lesson plan.
6. Present a health lesson plan related to health and cultural standards in the K-8 curriculum (either a lesson plan the student created or found, with citing the source).

ED S333 – The Learner and the Learning Process

Upon successful completion of this course, students will be able to:

1. Create a culturally responsive lesson plan.
2. Create a theory of teaching and learning.

ED S380 – Multicultural Education

Upon successful completion of this course, students will be able to:

1. Recognize and explain the differences that exist between diverse student backgrounds in the classroom community.
2. Discuss cultural diversity in the classroom.
3. Identify a range of teaching strategies that support diverse student populations.
4. Compare various historical pedagogical practices from various missionaries.
5. Define multicultural education.
6. Summarize and discuss topics relating to multicultural education.
7. Describe education inequality.
8. Explain ways schools can be more welcoming regarding sexual and gender diversity.
9. Explain challenges faced by students from diverse populations.
10. Describe characteristics of a teacher who is culturally responsive.
11. Explain where an educator can find Alaska Cultural Standards materials.
12. Locate and identify various culturally relevant materials educators can access online.

ED S405 – Children’s Literature in the Alaska Context

Upon successful completion of this course, students will be able to:

1. Develop knowledge of Alaska’s history, cultures, geography and natural world through study of literature and other materials for grades K-8.
2. Summarize an overview of the literature of Alaska for young people.
3. Explain the significance of the role of the library in a children’s literature program.
4. Assess children’s reading comprehensions, habits and interests.
5. Discuss a variety of methods for engaging children with literature.
6. Evaluate children’s books in terms of their literary qualities and usefulness in the school program.
7. Utilize cultural appropriateness of Alaskan books or Alaska’s indigenous children and teenagers.
8. Utilize discussion groups as a way to respond to and analyze literature.
9. Provide information about Alaska via children’s literature to the community.
10. Demonstrate understanding of a “long term relationship” with literature for children and young adults.

ED S416 – Teaching Literacy in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Design a literacy program based on research for best practice. Include a framework as outlined in the class textbooks for the essential components of literacy.
2. Complete a case study assignment on a student in the clinical experience classroom.
3. Plan for instruction to accommodate the case study student.
4. Develop, teach, and provide reflection for a lesson in each area of the language arts strands.

ED S417 – Teaching Social Studies in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Develop a philosophy/theory/knowledge statement of social studies education.
2. Define social studies disciplines and themes of geography.
3. Locate the school board policy and negotiated agreement for your district or another district of your choice.
4. Create, teach, and provide reflection for a culturally responsive social studies lesson.

ED S427 – Teaching Math in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Explain state and national standards and the effect they have on the teaching and learning of mathematics.
2. Compare and contrast the mathematics taught in elementary and middle schools today and in the past.
3. Analyze learning styles, and the benefits of an enriched environment in relation to the learning of mathematics.
4. Evaluate how to diagnose and make modifications in instruction for diverse learners including students with exceptionalities.
5. Analyze technology used in the teaching and learning of mathematics.
6. Analyze a variety of methods, including self-created strategies, for learning whole number computation.
7. Analyze mental arithmetic and estimation strategies and their role in understanding mathematics.
8. Explain the role of hands-on and other materials used in the development of fractions concepts.
9. Analyze how hands-on materials can be used to help students understand the algorithms for fraction computation.
10. Explain how whole number concepts can be used to develop fraction computation algorithms.
11. Evaluate how hands-on materials can be used to help students understand decimal concepts.
12. Explain how whole number and fraction algorithms can be extended to decimals.
13. Explain the development of ratios and proportional reasoning based on prior knowledge.
14. Explain the process for the development and understanding of what it means to measure.
15. Explain how to informally develop geometry concepts in elementary schools.
16. Analyze the role of hands-on and other materials in the development of the concepts of probability.
17. Provide/create specific activities that can be used to help students develop understanding of statistics concepts.
18. Analyze different types of graphs and how they can be used to help students understand and interpret data.
19. Evaluate how hands-on materials, basic facts, and patterns can be used to help students develop algebraic thinking.
20. Explain how understanding of function concepts can be developed through the use of different representations.
21. Connect and relate concepts within mathematics and across areas outside of mathematics.

ED S428 – Teaching Science in the K-8 Curriculum

Upon successful completion of this course, students will be able to:

1. Create, teach, and provide reflection for a culturally responsive science lesson that includes the Big Ideas, Inquiry Cycle, and alternative assessments.
2. Define the Five E's in science (engage, explore, explain, elaborate, and evaluate).
3. Develop and present their science education philosophy.
4. Describe and explain where to find local indigenous knowledge (LIK) resources for teachers.
5. Discuss some local, state and national websites that are resources for science teachers.
6. Define Native science.
7. Discuss Alaska Native and Alaska related science resource websites.
8. Describe local school science resources used in school, such as kits and curriculum materials.
9. Summarize various science themes and units from course reading materials.

ED S448 – Classroom Management in the K-8 Classrooms

Upon successful completion of this course, students will be able to:

1. Analyze aspects of motivation as they apply to students in an educational setting through an academic and behavioral focus.
2. Analyze how motivation is connected to partnerships in the educational setting.
3. Evaluate the connection between motivation and professionalism in the educational setting.

ED S452 – Student Teaching

Upon successful completion of this course, students will be able to:

1. Create daily and weekly lesson plans during student teaching.
2. Teach an integrated unit with lesson plans, weekly schedules, and a teacher work sample.
3. Observe other classrooms.
4. Communicate with host teacher, building staff, and parents.
5. Teach in the classroom for a minimum of six full time weeks.
6. Build up and phase out of student teaching before and after the 6-week takeover.
7. Self-analyze lesson observations and reflect on how to improve teaching practices.

ED S460 – Integrated Curriculum and Instruction

Upon successful completion of this course, students will be able to:

1. Research and design an integrated curricular unit.
2. Design formative and summative assessments within their integrated unit.
3. Apply differentiated instruction strategies in the integrated unit, either by teaching it, or by explaining how to do it.
4. Integrate Alaska cultural and content standards in unit design.
5. Present integrated unit plan and teacher work sample, following rubric design templates.

ED S494 – Applications of Teaching Fieldwork

Upon successful completion of this course, students will be able to:

1. Participate in all aspects of teaching in the classroom.
2. Prepare and present at least one lesson in social studies, literacy, math and science.

ED S498 – Professional Portfolio

Upon successful completion of this course, students will be able to:

1. Analyze and explain child development.
2. Examine the connection between learning and motivation.
3. Plan for instruction and evaluate and reflect the plan.
4. Evaluate the connection between development, learning, motivation and professionalism in the educational setting.
5. Explain the importance of partnerships in the educational setting.
6. Analyze the use of technology in the educational setting.