

# DIFFERENTIATED INSTRUCTION - EDDI

## EDDI 500 Dimensions of Learning 3 Credits

Participants will explore and understand a learning-centered framework for instructional planning. This course translates the latest research on cognition and learning into practical classroom strategies. Participants learn how to help students develop positive attitudes and perceptions about learning, develop habits of mind for critical, creative and self-regulated behaviors, construct meaning for declarative and procedural knowledge and extend and refine knowledge.

**Offered:** every fall.

## EDDI 505 Introduction to Differentiated Instruction 3 Credits

Provides an introduction to the philosophy of differentiation. This course will examine ways that classrooms can effectively support differentiating instruction and assessment to address the complex challenges of meeting the diverse learning needs of all students. Participants will gain an understanding of the reasons and assumptions underlying differentiation and acquire the ability to identify key indicators in a classroom. Knowledge of the characteristics of students who learn at different paces and levels will be developed. Students will study a variety of curriculum options such as those of content and implementation of differentiated lessons that optimize learning for all students, including gifted students and other high-ability learners.

**Offered:** every fall.

## EDDI 510 Introduction to Gifted Education and Collaboration 3 Credits

Participants will explore the history, research, laws and varied philosophies of gifted education. The class will also focus on developing skills in communication and collaboration to individualize instruction for gifted students. Participants will learn how to develop a support system and manage open communication among classroom teachers, special area teachers, administrators, parents and outside agencies.

**Offered:** every fall.

## EDDI 515 Identification and Assessment of Students in Gifted Education 3 Credits

This course will provide an overview of tools and methods for identifying and assessing students who learn at a pace and level that is significantly different from that of their classmates. Assessment tools will be examined, utilized and evaluated. Implications for instruction will be discussed.

**Offered:** every spring.

## EDDI 520 Curriculum Development for Gifted Students 3 Credits

This course focuses on methods of instruction for gifted students. Participants will develop knowledge and skills for planning, providing, coordinating and evaluating differentiated teaching and learning environments to challenge and assist gifted students in learning to their highest levels of achievement. Participants will learn how to develop a layered curriculum in order to maximize each student's growth and individual success. Instructional strategies for differentiating the key elements of content, process and products will be addressed.

**Offered:** every spring.

## EDDI 530 Differentiated Instruction in Mathematics K-12 3 Credits

Differentiating instruction means providing students with options for learning new information, helping them to make sense of ideas and express what they learn. This course will focus on helping the teacher learn approaches for differentiating mathematics instruction in the classroom. Participants will discuss and apply the principles of differentiated instruction to math instruction, learn effective strategies for managing flexible groups, acquire ideas for providing students with a variety of options that successfully target math standards and understand how to plan strategically in order to reach the needs of diverse learners in the classroom.

**Offered:** once a year.

## EDDI 556 Art Integration in the Differentiated Classroom 3 Credits

Participants will develop skills and strategies in adapting differentiated lessons utilizing the visual arts. Integration of art history, creative process and production will result in meaningful and connected experiences for K-12 students. Participants will explore and extend themes and content relative to their own disciplines while modeling and assessing their own creative outcomes. The use of Smartboard technology will also be utilized.

## EDDI 575 Enhancing the Differentiated Classroom through Creativity 3 Credits

This course will offer students the opportunity to learn about the field of creativity and current research supporting its value in enhancing the learning environment. Participants will discuss and experience ways to nurture teacher creativity to better prepare them to recognize and support creativity in students. Activities and resources to develop creativity will be explored and evaluated.

**Offered:** once a year.

## EDDI 585 Integrating Technology in the Differentiated Classroom 3 Credits

This course introduces educators to technology that can be used to support, supplement and deliver differentiated content and assessment in the mixed ability classroom. The benefits and challenges of incorporating technology will be considered while participants learn how to integrate technology into their curriculum. Participants will gain hands-on experience using technological strategies for differentiation that will engage learners of all styles, ranging from new uses for basic software applications and online collaboration to the production of multimedia.

**Offered:** once a year.

## EDDI 600 Practicum and Seminar in Gifted Education 3 Credits

This course involves completing a college supervised practicum experience of 50 hours teaching gifted students. The practicum is individualized and takes place near the end of the program. Students will have the opportunity to discuss and reflect on the practicum experiences in on-campus seminars.

**Corequisite:** EDDI 615.

## EDDI 615 Action Research for a Differentiated Classroom 3 Credits

Focuses on the study of the background of educational research, understanding research methodologies and designs, tools and techniques of educational research, and the collection, treatment, analysis and interpretation of research data. The student will develop an action research project that will be implemented during the practicum.

**Corequisite:** EDDI 600.