

**DMS 231 Vascular Sonography II**

Prerequisite: Introduction to Vascular Sonography

Credit Hours: 4

This course will increase your knowledge and Doppler skills of the cerebrovascular, extremities, abdominal vasculature, transcranial, plethysmography, segmental, ABI's, aortic aneurysms, IVC imaging, venous Doppler evaluation with compression and augmentation, Allen test, Laser vein ablation, radio frequency, invasive vs. noninvasive testing, carotid imaging and evaluation, Raynaud's testing, and all vascular Sonography procedures. Lab scanning and exam competencies will be performed in the lab setting.

**DMS 234 Sonography and Physics Registry Review**

Prerequisite: DMS 211 Sonography Physics &amp; Instrumentation

Credit Hours 2

This course will provide a detailed review of principles of the production and propagation of sound waves as applied to diagnostic medical Sonography. Included will be acoustic physics, Doppler shift, acoustic parameters, waveform interference and Doppler ultrasound principles. This course will prepare the student for the SPI physics registry.

**DMS 250 Sonography Registry Review**

Prerequisite: DMS 205 Sonography Sectional Anatomy &amp; Pathology I, DMS 207 OB/GYN Sonography Procedures, DMS 231 Vascular Sonography Procedures

Credit Hours: 6

This course is broken down into three areas that will review all necessary subject matter of normal vs. diseased anatomy, functions, pathology, physiology, sectional abdominal anatomy, OB/GYN, vascular, and small parts to better prepare students to sit for registry exam.

## Economics

**ECON 101 (2249) Issues in Today's Economy**

Prerequisite: None

Credit Hours: 3

Issues in Today's Economy is designed to be a practical guide to the economy for non-majors. The course emphasizes important current issues in both the macro and micro economy such as inflation, unemployment, taxes, healthcare, energy policy, crime, terrorism and the global economy.

**ECON 203 (2241) Macroeconomics KRSN ECO1020\*\***

Prerequisite: None

Credit Hours: 3

Introduces the student to the principles of macroeconomics. The course will cover the economic theories involved in explaining the behavior of the entire economy. Topics will include supply and demand, the relationship between economic activity with the money and banking system, unemployment, inflation, productivity, economic growth, economic fluctuations and international trade.

**ECON 204 (2242) Microeconomics KRSN ECO1010\*\***

Prerequisite: None

Credit Hours: 3

Introduces the student to the principles of microeconomics. The course will cover such topics as consumer choice, supply and demand relationships in markets, the theory of the firm within perfect competition, monopoly, monopolistic competition, and oligopoly market structures, the labor market, income inequality and government intervention in markets.

## Education

**EDUC 107 (0823) Administration & Organization of a Child Care Program**

Prerequisite: None

Credit Hours: 3

\*Refer to the Placement Testing Procedure 3.22, page 25 \*\* Refer to Course Transfer, page 20

This course will provide the student with an understanding of the organization and administration of a child care program. They will gain and understanding of how to administer a variety of high quality child care programs according to the state rules and regulations.

EDUC 110 (5275) Child Development KRSN PSY2030\*\*

Prerequisite: None

Credit Hours: 3

This course is designed for teachers in training and teachers in service whose major interest is the pre-kindergarten, kindergarten, and primary child. It would also be a valuable tool for social service workers, special educators, parents, home visitors, and others who require a practical understanding of the young child. This course introduces the uniqueness of the young child in comparison to the older child and illustrates how to work with young children in ways that relates to their development level.

EDUC 126 Childhood Program Planning 0-5

Prerequisite: None

Credit Hours: 5

This course is designed for teachers, child care professionals, and adults working with young children. Students will gain an understanding of how early childhood theories are applied to developmentally appropriate practices and guidance techniques in early childhood classrooms. There will be a focus on the physical, cognitive, social, emotional and creative development of children ages 0-5. Students will participate in observations for children in the child's natural environments. Identifying developmental milestones and developmentally appropriate behaviors, will be recoded in a portfolio as tools for assessment and documentation of the child's development.

EDUC 131 Observation and Assessment in Early Childhood Settings

Prerequisite: EDUC 110, Child Development

Credit Hours: 4

This course provides a framework to introduce assessment of children in early childhood settings through observation of children at play using understandings about children to inform planning. Anecdotal records, rating systems, and multiple assessment strategies are explored. The course focusses on the appropriate use of assessment strategies to document growth, play, and learning to join with families in promoting children's success. Students will analyze goals through observation, documentation, and various forms of assessments that are central to the practice of all early childhood professionals. Students will also implement individual goals, applying a systematic process ethically, in partnership with families and professionals, to positively influence the development of every child. Students will observe children in their natural environment(s). This course incorporates the standards and objectives that are set forth by the NAYEC and Core Competencies for Early Childhood and Youth Development (Kansas and Missouri) intended for anyone interested in education, early childhood, or child care providers.

EDUC 134 (0842) Preprofessional Lab KRSN EDU1010\*\*

Prerequisite: None

Credit Hours: 1

An introductory lab experience in teacher education, which helps the student, understands the role of the teacher and the school. This course will provide an exploration of a variety of educational topics, effective teaching strategies, and student-focused lesson planning. Students meet the course objectives by assisting in an elementary or secondary classroom setting and attending the classroom meetings as assigned by the course instructor. The supervised laboratory experiences of 33 clock hours in area schools.

EDUC 140 (0819) Introduction to Teaching KRSN EDU1010\*\*

Prerequisite: None

Credit Hours: 3

This course is designed to provide the student with a general knowledge of the teaching profession as it occurs in elementary and secondary education in the United States. Topics to be introduced will be as follows: the history of education, teaching methods, educational settings, and the roles of educational personnel.

EDUC 142 Early Childhood Education

Prerequisite: None

Credit Hours: 3

\*Refer to the Placement Testing Procedure 3.22, page 25 \*\* Refer to Course Transfer, page 20

This course will provide students with an overview of issues involved in the early care and education of young children. Students will develop multiple ways to reflect on the knowledge, skills, and developmentally appropriate practices for early childhood education. This course also incorporates the standards and objectives that are set forth by the NAYEC and is intended for anyone interested in education, early childhood, preschool or day care providers.

EDUC 147 (1601) Information Literacy

Prerequisite: None

Credit Hours: 2

An introduction to information and its effect on society. The students will learn to deal with information and how to effectively access it through library resources, Web catalogs, indexes, reference materials, electronic databases and the Internet. The student will learn how to evaluate information and use it in an ethical manner.

EDUC 151 (0820) Children's Literature

Prerequisite: None

Credit Hours: 3

This course is designed to familiarize students with the heritage, concentration genres, and criteria for evaluating children's literature; suggested selections of books for the elementary and middle school program, and methods of teaching literature among children in any setting.

EDUC 152 (0822) Children's Music

Prerequisite: None

Credit Hours: 3

This course is directed toward students in the elementary education program. It is designed to show how music can be taught and integrated into other areas of the elementary classroom curriculum. Traditional areas of music instruction will be covered including fundamentals of music, singing, playing instruments, listening, moving to music, and creative experiences with music. In addition, we will study multicultural approaches to teaching and practice writing lesson plans focusing on the needs and interests of young children.

EDUC 154 (0831) Art Education

Prerequisite: None

Credit Hours: 3

This course is designed to help art education and elementary education concentrations build an understanding of children's art and develop an art curriculum for their classroom that provides quality art experiences for every child. Emphasis will be placed on lab work and experimentation of various art materials suitable for the classroom. Instruction is based on lecture, class discussion, and lab work.

GEOG 101 (911) World Regional Geography KRSN GEO1010\*\*

Prerequisite: None

Credit Hours: 3

The first part of the course surveys the basic concepts of physical and human geography. In the remainder of the course these concepts are applied to a study of the major regions of the world. Emphasis is placed on the themes of development, conflict, and globalization, with the goal of providing students the tools to develop informed perspectives on current global events.

## English

ENGL 097 Reading and Writing Essentials

Prerequisite: None

Credit Hours: 3

This course is designed to help students obtain the skills they need to succeed in college courses that are reading and writing intensive. This course serves those students who do not feel comfortable with their present reading/writing skills or those whose test scores place them into this course.

\*Refer to the Placement Testing Procedure 3.22, page 25 \*\* Refer to Course Transfer, page 20