

# Native Ways of Knowing

## Secondary Science Teacher Education Program

### Methods Courses

Revised 8-16-2011

#### **EDUC 200: Introduction to the Teaching Profession (2)**

##### **Elementary / Secondary Course**

This introductory course is designed to prepare pre-service teachers for teaching careers and give an orientation to the profession as it has developed historically and in contemporary times. Emphasis is on planning, designing, and implementing effective teaching practices. Field site visits will be an integral part of the course. (This required course should be taken in one's sophomore year.)

#### **EDU 300: Educational Technology (2)**

##### **Elementary/ Secondary Course**

This course studies the development and use of educational technology and appropriate educational software for grades PreK-12. Emphasis is on the demonstration and use of internet applications, web quests, and preparation of the electronic portfolio.

#### **EDUC 310: Introduction to Exceptional Children (3)**

This course includes an interdisciplinary overview of information related to exceptional abilities and cultural applications for teaching and learning. Analysis and critique of formal and informal assessment strategies and materials are integral to the course content. Educational adaptations and methods are also addressed within the context of a mainstreamed classroom setting.

#### **EDUC 321: Multicultural Education and Human Diversity (3)**

##### **Elementary /Secondary Course**

This course is an analysis of factors that influence behavior of ethnic and diverse populations in schools and classrooms. It will include principles and strategies for teaching from various cultural and ethnic backgrounds, and for relating to students, parents, and others involved in the education of children and youth.

#### **EDUC 329: Curriculum Planning and Evaluation (3)**

##### **Elementary /Secondary Course**

The course content addresses how to design and develop curriculum content for K-12 students. Curriculum alignment, curriculum mapping, and the use of state standards are also covered.

#### **EDUC 330: Foundations in Education (3)**

This course is designed to critically analyze the place of education in today's rapidly changing society. Students will analyze the similarities and differences of the major philosophical positions in order to evaluate historical influences on current educational practices.

#### **EDUC 350: Practicum I (1)**

##### **Elementary/ Secondary Course**

Practicum I is designed to give students 40 hours of supervised field experience in regular classroom settings. Students will be required to do two lessons in small group setting of two or more students.

**EDUC 360: Practicum II (1)****Elementary/ Secondary Course**

Practicum II is designed to give students 40 hours of supervised field experience in regular classroom settings. Students will be required to do four lessons in small group settings of two or more students. Students are encouraged to do one large group lesson if possible.

**EDUC 375: Reading in the Content Areas (2)****Secondary Course**

This course is designed to focus on strategies for teaching reading in the content areas. Comprehension, vocabulary, and diagnostic assessment for reading difficulties are emphasized

**EDUC 415: Student Teaching (10-12)****Secondary Course**

Student teaching will take place within the local Turtle Mountain, Spirit Lake and Fort Berthold area. This experience is a demanding and exhilarating time. It is an opportunity to hone one's skills by bringing theory into practice. The teacher candidates will be expected to collect valuable artifacts for their showcase portfolio, which is due at the end of student teaching.

**EDUC 416: Student Teaching Seminar (1)****Secondary Course**

Discussion of current experiences in the classrooms are an integral component of this seminar, which is partly an opportunity to offer sage advice and to support pre-service teachers with practical ideas of how to apply what they've learned in their previous courses.

**EDUC 470: Methods of Secondary Science (2)**

This course is designed to explore various pedagogical methods of science instruction using inquiry into the nature of science, and epistemologies of Native Ways of Knowing. Students have several opportunities to integrate real-world experiences into these methods.

**PSYC 353: Child & Adolescent Psychology (3)****Elementary/ Secondary Course**

This course is a study of human development during adolescence. It covers physical, social, emotional, intellectual, moral, and spiritual domains within a multicultural context and from a global awareness perspective. Attention given to young adolescent and emerging adult issues with specific implications for teaching and learning at the elementary, middle & secondary levels.