

**DS 3226**

***Dairy Husbandry Techniques I***

This course covers the application of hormones, feed additives, chemicals and drugs in the feeding, breeding and management of dairy animals. The student works with various dairy improvement programs. Throughout the course, emphasis is placed on the general care and management of dairy animals. Co-requisite: Animal Feeding and Nutrition or Permission of Instructor. 1 hour Lecture and 3 hours Laboratory—2 credits

**DS 4143**

***Dairy Husbandry Techniques II***

This course is a continuation of DS 3226 and incorporates the practical aspects of dairy cattle management, mastitis control, feeding and breeding. Students are involved in heat detection, feeding and milking as well as the study of Dairy Herd Improvement proceedings. Prerequisite: Dairy Husbandry Techniques I or Permission of Instructor. 1 hour Lecture and 3 hours Laboratory—2 credits

***Employment Program***

**DS 2370**

***Employment Program***

Dairy Science students are required to spend 24 weeks (500 hours) in approved jobs related to the student's major. Registration for each Employment Program must occur prior to the beginning of a relevant experience. Registration materials are available from Career Services, in Segal Hall. 24 wks of On-the-Job Training—4 credits

**EDUCATION**

**ED 0015**

***College Reading***

The needs of the students enrolled in this course will determine the techniques used to build skill in reading. Included among the reading skills to be developed will be recognizing stated and implied ideas, designating major and minor supporting details, identifying types of sequencing and appropriate ordering, restating questions, using contextual clues, and differentiating literal and inferential information. 3 hours Lecture and Discussion—3 institutional credits (Institutional credit will not be applied to either required or elective credits, but will be counted toward determining full-time status.)

**ED 0016**

***Learning Strategies***

This course involves instruction and practice in techniques of time management, notetaking, reading for greater retention, test taking and memory. Students identify and use a range of campus and community resources, including the library. Effective listening techniques and communication skills are presented as well as ways to enhance creativity and stimulate critical thinking. Students explore their own styles of learning and personal value systems as they contribute to becoming successful students. 3 hours Lecture and Discussion—3 institutional credits (Institutional credit will not be applied to either required or elective credits, but will be counted toward determining full-time status.)

**ED 0018**

***CHOICES Seminar***

CHOICES students will continue to integrate skills gained in Learning Strategies and apply them across the curriculum through structured activities. Students will continue to clarify academic career and personal goals as well as develop skills in rational analysis and critical thinking. The seminar will maintain focus on the students' selection of a major and assist in the transition process. This course is limited to CHOICES students. 2 hours Lecture and Discussion – 2 institutional credits (Institutional credit will not be applied to either required or elective credits, but will be counted toward determining full-time status.)

**ED 1010**

***American Education***

An examination of American education with emphasis on history, aims, organization, and control of public schools. Emphasis is placed on the development of American educational ideas and institutions in a multicultural society. Study of the school curriculum/overview. Strongly recommended as the first Education course. 3 hours Lecture and Discussion—3 credits

## Course Descriptions

### **ED 2040 and ED 3040 (1 each)**

#### ***Field Experience/Pre-Student Teaching I and II***

Practical experiences in the classroom and the school prior to student teaching designed to acquaint the student with classroom problems and school problems and school practices. Direct experience with pupils and educational professionals in the school on a paraprofessional basis through organized activities. Minimum 40 clock hours—20 hours in the sophomore and the junior years respectively. Prerequisites: sophomore standing and American Education. 1-2 hours Lecture, Discussion and Practicum—1 credit

### **ED 2230/LA 2230**

#### ***Educational Psychology***

A practical treatment of the theory and practice of psychology as it applies to teaching, learning, student development and the classroom environment. Topics include: growth and development, learning and achievement, motivation, learning disabilities and psychoeducational aspects of adolescents. Strongly recommended as the second Education course. ED 2230 open to Education majors, all others enroll as LA 2230. 3 hours Lecture and Discussion—3 credits

### **ED 2210**

#### ***Reading in the Secondary School***

This course examines the reading process with emphasis placed on understandings and skills needed by secondary school students in their subject fields. 3 hrs Lecture & Discussion—3 credits

### **ED 3010**

#### ***Secondary School Curriculum: Methods and Materials***

A study of teaching procedures and learning activities in the secondary school; a critical examination of lesson plans. Methodology for creating a learning situation, developing the subject matter and teaching field, use of appropriate methods and techniques, and classroom management. Student will be guided in the analysis of specific content and techniques for teaching that content. “Micro teaching” experience. Prerequisites: American Education, Educational Psychology, and Practicum I. Also, students must have junior status, be formally accepted into the certificate program and have achieved passing scores on Praxis Level I tests. 3 hours Lecture and Discussion—3 credits

### **ED 3120**

#### ***Tests and Measurements***

Course is designed to acquaint the student with intelligence and achievement tests and to give a working knowledge of various standard tests and scales available for classroom use. In addition, elementary statistics, construction of teacher-made tests, and performance assessment will be studied. Prerequisite: American Education. Also, students must have junior status, be formally accepted into the certificate program and have achieved passing scores on Praxis Level I tests. 3 hours Lecture and Discussion—3 credits

### **ED 3230**

#### ***Multicultural Education and Classroom Diversity***

Students will develop an understanding of our multicultural-pluralistic society and acquire the pedagogical skills and concepts needed to provide optimum learning opportunities for all students in the secondary classroom. Prerequisites: American Education and Educational Psychology. Also, students must have junior status, be formally accepted into the certificate program and have achieved passing scores on Praxis Level I tests. 3 hours Lecture and Discussion—3 credits

### **ED 4010**

#### ***Student Teaching and Professional Seminar***

Student teaching in an approved secondary school under the direct supervision of a cooperating teacher. Seminar and individual conferences are held by supervisors. Prerequisites: senior standing, completion of Education core, subject area courses, and Praxis tests in Core Battery. 1-2 hours seminar meetings and semester length practicum—12 credits

## ***Special Methods in Content Area***

### **ED 3011**

#### ***Teaching Science: Methods and Experiences***

A study of various methodologies and experiences that will be unique to the teaching of science at the secondary level. Prerequisites: American Education and Educational Psychology. 2 hours Lecture, Discussion and Practicum—2 credits

### **ED 3012**

#### ***Teaching Mathematics: Methods and Experiences***

A study of various methodologies and experiences that will be unique to the teaching of mathematics at the secondary level. Prerequisites: American Education and Educational Psychology. 2 hours Lecture, Discussion and Practicum—2 credits

**ED 3013**

***Teaching English: Methods and Experiences***

A study of various methodologies and experiences that will be unique to the teaching of English at the secondary level. Prerequisites: American Education and Educational Psychology. 2 hours Lecture, Discussion and Practicum—2 credits

**ED 3014**

***Teaching Agriculture: Methods and Experiences***

A study of various methodologies and experiences that will be unique to the teaching of agriculture at the secondary level. Prerequisites: American Education and Educational Psychology. 2 hours Lecture, Discussion and Practicum—2 credits

**ED 3015**

***Teaching Business: Methods and Experiences***

A study of various methodologies and experiences that will be unique to the teaching of business at the secondary level. Prerequisites: American Education and Educational Psychology. 2 hours Lecture, Discussion and Practicum—2 credits

**ED 3016**

***Teaching Social Studies: Methods and Experiences***

A study of various methodologies and experiences that will be unique to the teaching of Social Studies at the secondary level. Prerequisites: American Education and Educational Psychology. 2 hours Lecture, Discussion and Practicum—2 credits

***Intern Certification***

**ED 1010**

***American Education***

This course examines American education with an emphasis upon history, aims, organization, and control of public schools. Emphasis is placed upon the development of American educational ideas and institutions in a multicultural society, and includes a study/overview of the school curriculum. (3 credits)

**ED 2230**

***Educational Psychology***

A practical treatment of the theory and practice of psychology as it applies to teaching, learning, student development and the classroom environment. Topics include: growth and development, learning and achievement, motivation, learning disabilities and psycho-educational aspects of adolescents. (3 credits)

**ED 3230**

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Students will develop an understanding of our multicultural-pluralistic society and acquire the pedagogical skills and concepts needed to provide optimum learning opportunities for all students in the secondary classroom. (3 credits)

**ED 2210**

***Reading in Secondary Schools***

This course examines the reading process with emphasis placed upon skills and understandings needed by secondary school students in their subject fields. (3 credits)

**ED 3120**

***Tests and Measurements***

This course is designed to acquaint the student with intelligence and achievement tests and to give a working knowledge of various standard tests and scales available for classroom use. In addition, elementary statistics, construction of teacher-made tests, and performance assessment will be studied. (3 credits)

**ED 3010**

***Methods and Materials***

This course focuses upon the study of teaching procedures and learning activities in the secondary school, a critical examination of lesson plans, the study of methodology for creating a learning situation, developing the subject matter and teaching field, use of appropriate methods and techniques, and classroom management. Student will be guided in the analysis of specific content and techniques for teaching that content, and participate in a “micro teaching” experience. (3 credits)

***ENGLISH***

**EN 0012**

***English Essentials***

This course provides intensive training in grammar and syntax for students who require assistance in written expression. The course objectives include a review of the fundamentals of grammar and improvement of sentence structure. Students assigned to this course are required to take English I and II in addition. 3 hours Lecture and Discussion – 3 institutional credits (Institutional credit will not be applied to either required or elective credits, but will be counted toward determining full-time status.)