

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

ED 2040 and ED 3040***Field Experience/Pre-Student Teaching I and II***

Practical experiences in the classroom and the school prior to student teaching are designed to acquaint the student with classroom problems and school problems and school practices. Students have 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:

Course Descriptions

sophomore standing and American Education. 1-2 hours Lecture, Discussion and Practicum — 1 credit

ED 2230/LA 2230

Educational Psychology

This course is 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. ED 2230 is 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 and Discussion — 3 credits

ED 3010

Secondary School Curriculum: Methods and Materials

This course is a study of teaching procedures and learning activities in the secondary school. Students critically examine lesson plans. Methodology for creating a learning situation; developing the subject matter and teaching field; use of appropriate methods and techniques; and classroom management. Students will be guided in the analysis of specific content and techniques for teaching that content. "Micro teaching" experience is included. 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

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. 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

This course requires 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 I tests. 1-2 hours seminar meetings and semester length practicum — 12 credits

Special Methods in Content Area

ED 3011

Teaching Science: Methods and Experiences

This course is 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

This course is 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

This course is 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

This course is a study of various methodologies and experiences that will be unique to the teaching of agri-

culture 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

This course is 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

This course is 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

This course is 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)

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needed by secondary school students in their subject fields. (3 credits)

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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.)

EN 1045

English as a Second Language

This course is open to students for whom English is a second language. Such students should take this course instead of Developmental English. It covers fundamentals of grammar, writing, and reading. 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.)