

**North Iowa Area Community College
Career Link
Hampton-Dumont High School**

Fall 2011

Class	Instructor	Credit
ENG-102 Composition & Speech I	Deb Meade	4
AGS-109 Animal Science I	Dave Bowman	3
MAT-121 College Algebra	Dan Aalbers	4
PSY-111 Introduction to Psychology	Jane Hoegh	3

Spring 2012

Class	Instructor	Credit
ENG-103 Composition & Speech II	Deb Meade	4
PSY-121 Developmental Psychology	Jane Hoegh	3
HSC-120 Medical Terminology I	Kris Shafrath	3
HSC-171 Nurse Aide Theory	Marilee Knapp	2
HSC-174 Nurse Aide Clinical	ABCM Staff	1
AGA-114 Principles of Agronomy	Dave Bowman	3
MAT-134 Trigonometry & Analytic Geometry	Dan Aalbers	3

COURSE DESCRIPTION

AGA-114 Principles of Agronomy (3 s.h.)

Topics covered include: plant anatomy and physiology; plant classification and ID; pest classification and ID; and pesticides, pest management, application equipment, calibration, laws/regulations. Students will take the Iowa Core Manual examination as a requirement for this course. (38-15) *Equivalent to 90-160, AGAS-701.*

AGS-109 Animal Science I (3 s.h.)

This course is designed to provide students with a general overview of the livestock industry. It identifies the ways in which domestic animals serve the basic needs of humans for food, fiber, shelter, protection, fuel and emotional well-being. Students will develop an understanding of and be able to apply the basic principles of animal selection, breeding, genetics, feeding, health, and husbandry practices. As a student, you will become familiar with the economic and social issues that confront the livestock industry. (45-0) *Equivalent to 70-112, AGSS-701.*

ENG-102 Composition & Speech I (4 s.h.)

Improvement of skills in reading, writing, speaking, and listening, with an emphasis on expository methods of development and personal experience as supporting material. Students will use word processors and the Writer's Workbench analyses programs, the Writer's Workbench STEPS programs, and the structuring sentences video series. Students must meet minimum competency requirements in writing and speaking to receive a grade of C or higher. (60-0) *Equivalent to ENGL-101, ENGL-104, 30-101, ENG-105.*

ENG-103 Composition & Speech II (4 s.h.)

Prerequisite: ENG-102, Composition & Speech I. Students must have earned a C or higher grade in Composition & Speech I before enrolling in Composition & Speech II. A continuation of ENG-102, Composition & Speech I, with an emphasis on argumentative and persuasive writing and speaking, on research methods, and on language. Students will use word processors, Writer's Workbench analyses, Writer's Workbench STEPS, and sentence structuring videos. Students must meet minimum competency requirements in writing and speaking to receive a grade of C or higher. (60-0) *Equivalent to ENGL-102, 30-102, ENG-106, ENGL-105.*

HSC-120 Medical Terminology I (3 s.h.)

Introduction of basic medical terminology utilizing a programmed, word-building system to learn word parts to construct and analyze new terms. Emphasis is placed on spelling, definition, usage, and pronunciation. (45-0) *Equivalent to 15-251, HEAL-110.*

HSC-171 Nurse Aide Theory (2 s.h.)

Corequisite: HSC-174, Nurse Aide Clinical. This 75-hour nurse aide course has been designed to meet the training requirements of The Omnibus Budget Reconciliation Act of 1987 (OBRA) for aides working in nursing facilities (NF) and skilled nursing facilities (SNF). Emphasis in the course is on students achieving a basic level of knowledge and demonstrating skills to provide safe, effective resident care. The course has been developed in six units of study. The theory portion includes 30 hours of classroom time and 15 hours of laboratory practice. (30-0) *Equivalent to CNAS-101, 89-164.*

HSC-174 Nurse Aide Clinical (1 s.h.)

Corequisite: HSC-171, Nurse Aide Theory. The clinical experience includes 30 hours in a nursing facility. (0-45) *Equivalent to CNAS-102, 89-165.*

MAT-121 College Algebra (4 s.h.)

Prerequisite: MAT-102, Intermediate Algebra with a C or better, OR Math ACT score of at least 21, or Compass Algebra score of 76 or better. This course is intended for students majoring in business, social science, biological sciences, liberal arts, and those mathematics students with insufficient background to begin the study of calculus. The course is a study of various classes of functions, their graphs, and applications. These include linear, polynomial, rational, root, inverse, exponential and logarithmic functions. Also included are systems of equations and inequalities, matrices, sequences and series, and the *Binomial Theorem*. (60-0) *Equivalent to MATH-121.*

MAT-134 Trigonometry and Analytic Geometry (3 s.h.)

Prerequisite: MAT-121, College Algebra with a C or better, OR Math ACT score of at least 26. This course is a preparation course intended for students majoring in engineering, mathematics, physics, chemistry or certain vocational fields. The course is a study of both trigonometric and conic functions and equations. Both rectangular and polar coordinate systems are studied. (45-0) *Equivalent to MATH-134.*

PSY-111 Introduction to Psychology (3 s.h.)

An introduction to the scientific study of behavior; a brief history of psychology as a science, and topics fundamental to human behavior including developmental issues, sensory abilities, cognitive performance, social and emotional factors in behavior, and abnormal behavior and therapies. (45-0) *Equivalent to 80-101, PSYC-101.*

PSY-121 Developmental Psychology (3 s.h.)

A topical approach to studying the physical, cognitive, social, and emotional domains of human development from conception to death. Examining the research in these areas allows the student to construct real-world applications to different contexts in life including culture, ethnicity, and gender. Learning activities reflect discussions on a variety of psychological issues including learning, personality, moral behavior, and psychological well-being and life satisfaction across the lifespan. (45-0) *Equivalent to PSYC-110, 80-230.*