

MATH 251 Discrete Mathematics I 3 (3,0,0,0)

Topics include fundamental principles of logic and proof methods, elements of set theory, equivalence relations and partitions, counting techniques, mathematical induction, cardinality, power set, inclusion-exclusion principle, Cartesian product, pigeonhole principle, binomial theorem, probability and expectation. Prerequisites: MATH 127 or equivalent; and corequisite: MATH 181 or equivalent.

MATH 253 Matrix Algebra 3 (3,0,0,0)

Introduces linear algebra, including matrices, determinants, vector spaces, linear transformations, eigenvectors and eigenvalues. Prerequisite: MATH 182 with a grade of C or better.

MATH 283 Calculus III 4 (4,0,0,0)

Topics include vectors, differentiation and integration of vector valued functions, multi-variable calculus, partial derivatives, multiple integrals, and applications. Prerequisite: MATH 182 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

MATH 285 Differential Equations 3 (3,0,0,0)

Theory and techniques for constant and variable coefficient ordinary linear differential equations. Also included are a number of non-linear types of ordinary differential equations. Emphasis will be on those differential equations arising from modeling real world phenomena. Prerequisite: MATH 182 with a grade of C or better.

Mechanical Engineering**ME 242 Dynamics 3 (3,0,0,0)**

Engineering analysis of bodies in motion in both two- and three-dimensions; analysis of the kinematic and kinetic principles for both particles and rigid bodies; the development and utilization of the concepts of force and acceleration, work, energy, impulse, momentum and impact. Prerequisites: CEE 241 (formerly CEG 206) and PHYS 180, 180L, and MATH 182.

Management**MGT 100B Practical Human Relations for Business 3 (3,0,0,0)**

Study of human factors involved in business and management with emphasis upon mutual responsibilities and communication problems of employees, managers and customers. Team activities.

MGT 103 Introduction to Small Business Management 3 (3,0,0,0)

Topics covered include start-up, financial and administrative controls, marketing programs, management techniques, legal and governmental relationships. All aspects of operating a business will be thoroughly discussed.

MGT 120B Introduction to Public Sector Administration 3 (3,0,0,0)

Examines the relationship between public sector policies and the world of business. Surveys the public sector regulating advertising, products, production, mergers, competition and marketplace restrictions.

MGT 201 Principles of Management 3 (3,0,0,0)

Topics covered include fundamentals and principles of management, administrative policies, objectives and procedures and problems of organization control and leadership.

MGT 212 Leadership and Human Relations 3 (3,0,0,0)

Focus is on understanding and managing human behavior in organizations. Developing a better understanding of one's self as a leader and exploring some of the more effective ways of leading others.

MGT 235 Organizational Behavior 3 (3,0,0,0)

Topics include concepts, theories and case studies concerning the behavior of people in modern business organizations.

MGT 276 Creativity in Management 3 (3,0,0,0)

Creating quality and originality that lead to new ways of seeing managerial methods. The utilization of imagination, insight, invention, ingenuity, intuition, inspiration and illumination to create a more dynamic managerial environment.

MGT 283 Introduction to Human Resources Management 3 (3,0,0,0)

Designed to develop an understanding of the duties and responsibilities of personnel at the mid-management level. Areas covered include: employee needs, human relations, recruiting techniques, orienting and training employees, benefit programs and economics of supervision.

MGT 284B Introduction to International Management 3 (3,0,0,0)

Examination of the management of resources (people, capital goods, money, inventories and technology) across national boundaries. The student will also learn to adapt management principles and functions to the demands of foreign competition and environment. The class will be supplemented with international speakers. Prerequisite: MGT 201.

MGT 286B Personnel Interviewing 3 (3,0,0,0)

A study of the legal aspects of interviewing in the public and private sector. Students participate in oral board, orientation, counseling, exit and performance appraisal simulations.

MGT 288B Compensation Management 3 (3,0,0,0)

A study of the principles and regulations of Compensation Management. Employee compensation and benefits will be examined to determine their effect on productivity in business and government.

MGT 291B Women in Management 3 (3,0,0,0)

Topics include women in management, changing life styles of women and men in U.S. labor force, U.S. legislation affecting women, management styles, power and leadership, effective time management, motivation and supervision, decision making techniques and effective communication.

MGT 294B Seminar in Management 3 (3,0,0,0)

Analysis of the nature and problems in management. Focus is on planning, organizing, decision making and controlling through the study of recent relevant literature and selected cases. May be taken a maximum of three times.

Mental Health Services

MHDD 101 Role of the Technician 1 (1,0,0,0)

Basic skills in behavioral observation, documentation and approaches to intervention as a treatment team member. Other topics include guardianship, rights, confidentiality, abuse and neglect, and program implementation.

MHDD 102 Medical Component 1 (1,0,0,0)

This course covers basic medical information including infection control, safety procedures, confidentiality, awareness of normal bodily functions, personal care and recognition of signs and symptoms that need to be reported to medical staff.

MHDD 103 Psychopathology and Developmental Disabilities 1 (1,0,0,0)

Study of the functional relationship between dual diagnosis of mental disorders and/or developmental disabilities and individual treatment issues raised by dual diagnosis.

MHDD 105 Conflict Prevention and Response Training 2 (2,0,0,0)

This course focuses on the application of prevention and response techniques to support persons in crisis or conflict with others. These applications are for use by service providers as approved by the State of Nevada, Division of Mental Health and Developmental Services.

MHDD 106 Teaching and Active Treatment 1 (1,0,0,0)

Defining "active treatment" and its necessary components. Implementing active treatment in a service context of dignity, respect, privacy, access to choices and participation in the therapeutic process with the use of effective teaching methods.

MHDD 107 Medication Fundamentals 2 (2,0,0,0)

Study of major categories of psychotropic and seizure medications. Rationale for use of medication, typical dosages, main effects, assessment of effectiveness and potential side effects.

MHDD 109 Introduction to Therapeutic Interventions 2 (2,0,0,0)

Basic approaches to behavioral intervention including defining behavior, data collection, principles and application of behavior change techniques, and implementation of behavioral programs.

MHDD 110 Introduction to Disability Services 3 (3,0,0,0)

Study of the history, social attitudes, major diagnostic categories, assessment techniques, major service approaches, legislation and standards of services related to persons with disabilities.

MHDD 126 Understanding Developmental Disabilities 2 (2,0,0,0)

Definition, history, diagnosis and causes of developmental disabilities. Development and delivery of effective direct support services to persons with developmental disabilities.

MHDD 127 Positive Behavior Supports 2 (2,0,0,0)

Addressed are applied approaches to changing behavior emphasizing positive learning principles, including functional observation and assessment of behavior, data collection, computation and graphing of data, positive behavior support planning and implementation, reinforcement, and progress evaluation.

MHDD 130 Teaching Life Skills 3 (3,0,0,0)

Study of teaching functional life skills to persons with disabilities, including persons with physical, social, vocational, communicative, intellectual, cognitive, and other mental disabilities.

MHDD 150 Issues In Substance Abuse 1 (1,0,0,0)

Overview of substance abuse issues and study of basic treatment approaches. Includes biological and lifestyle factors as well as legal issues.

MHDD 152 Allied Therapies 1 (1,0,0,0)

Study of the interdisciplinary roles of psychiatrists, psychologists, nurses, social workers, speech therapists, occupational therapists, recreational therapists and other professions involved in the therapeutic process.

MHDD 153 Life Span Development 1 (1,0,0,0)

Human growth and development through the life span. Includes social, cognitive and biological perspectives related to direct support services to persons with mental illness and/or developmental disabilities.

MHDD 154 Advanced Therapeutic Interventions 2 (2,0,0,0)

A working knowledge of therapeutic interventions, including active listening skills, elements of treatment plans, applications of basic treatment models and issues in therapeutic relationships. Prerequisite: MHDD 109.