

GENERAL COURSE DESCRIPTIONS

PREREQUISITES

A prerequisite is a requirement to be met, usually by completing another course, before enrolling in a course. Course descriptions list prerequisites, if any, for each course. Courses and their prerequisites are generally offered in sequence. Students are responsible for meeting the course requirements before enrolling in a course. In unusual cases, students may ask the instructor and the Vice President for Instructional Affairs for permission to enroll in a course for which the prerequisites have not been met.

WHEN COURSES ARE AVAILABLE

Each course is taught at a specified term each year depending upon program needs and instructor availability. The suggested schedule for each degree program specifies courses that are to be taught in an academic term. Program schedules are subject to change. Revised schedules are available in the office of the Vice President for Instructional Affairs.

COURSE NUMBERING SYSTEM

Developmental Courses—010-099
 Regular Courses—100-299
 Third-Year Courses—300-399
 Fourth-Year Courses—400-499

A two or three-letter prefix indicates the course subject area. Letters F, Sp, and Su specify whether the course is offered in Fall, Spring, or Summer. Summer offerings are subject to instructor availability and may sometimes include courses normally offered in Fall or Spring.

ACCOUNTING

AC 131 Accounting I (4) (F, Sp, Su)

Prerequisite: ESL 089, MS 099

Establishes a foundation for the understanding of the accounting environment, basic accounting concepts, and the accounting model. Each step of the accounting cycle is covered in detail. Also covered are the sales, purchases, cash receipts and cash payments journals and their accompanying accounts receivable and accounts payable subsidiary ledgers; cash; and preparation of financial statements.

AC 220 Accounting II (4) (F, Sp, Su)

Prerequisite: AC 131

Builds on the understanding of accounting principles. This includes accounting for: payroll; accounts receivable and bad debts; notes and interest; inventory; depreciation, amortization, depletion and disposal of long-term assets; and partnerships and corporations; departments and branches; and preparing the statement of cash flows.

AC 250 Managerial Accounting (3) (F, Sp, Su)

Prerequisite: AC 220

Develops concepts related to the information managers' need in carrying out three essential functions within the business enterprise, such as how to plan operations, to control activities and to make decisions.

AC 320 Intermediate Accounting I (3) (F)

Prerequisite: AC 250

This one-semester course that builds on the understanding of accounting principles developed in the first and second financial accounting courses as well as the course on managerial accounting. Topics covered will include exploring the financial reporting environment, the conceptual framework of financial reporting, a detailed theoretical study of financial statements, of cash and receivables, inventories, property plant and equipment (including depreciation and depletion) and of intangibles.

AC 321 Intermediate Accounting II (3) (Sp)

Prerequisite: AC 320

This course is a continuation of the first intermediate accounting course. The course is intended to further develop the student's competence in financial reporting. Topics covered will include accounting for: short – and long – term liabilities and contingencies, receivables, investments, and stockholders' equity. Special topics such as income recognition and measurement of net assets; leases; the cash flow statement; accounting changes and errors; and post-employment benefits will also be covered.

AC 325 Cost Accounting (3) (F)

Prerequisite: AC 250

This is a one-semester course that covers cost accounting system output relevant to managerial decision-making, planning and control. The course builds on the foundation already established by the managerial accounting course completed by the student. Topics covered include absorption/variable costing and CVP analysis, relevant costing, budgeting, financial management, inventory and production management techniques, emerging management practices, responsibility accounting and transfer pricing, and measurement of short – and long – run performance.

AC 330 Taxation 1 (3) (Sp)

Prerequisite: AC 250

This is a one-semester first tax course aimed at introducing students to a wide range of tax concepts and types of taxpayers. While the course mainly focuses on the taxation of business entities in both the United States and in the Federated States of Micronesia, it also covers individual taxation in the two countries – individuals as proprietors, shareholders, or partners in business entities, and as employees.

AC 335 Governmental and Non-Profit Accounting (3) (F)

Prerequisite: AC 250

This course is designed to be a survey of accounting for state and local governments, the federal government, colleges and universities, and other nonprofit organizations. It is expected that students will attain a basic understanding of accounting procedures in government and nonprofit organizations and appreciate the differences between private and public sector accounting.

AC 370 Accounting Internship (3) (Sp)

Prerequisite: AC 320

Students apply the knowledge obtained in prior accounting and other relevant courses to everyday business transactions (accounting practices) under supervised conditions. Includes a 120-hour internship in the accounting department of a local private business or public entity; in addition to a two-week pre-internship lecture on special topics not covered in the Intermediate Accounting classes. The student submits periodic written reports and a comprehensive final report.

AGRICULTURE**AG 084 Basic Crop Production w/lab (4)**

This course is designed to provide students with the basic principles of plant-soil-climate relationship, various stages of pre-planting, planting, vegetable growth, fruit seed growth, harvesting and marketing.

AG 086 Micropropagation and Nursery Practices w/lab (4)

Introduces the basic principles and skills regarding techniques, practices and procedures of plant tissue culture (micro-propagation), asepsis, laboratory plan, equipment and facilities, and green house growing.

AG 088 Landscaping (3)

Designed to prepare students to work in either private or public sectors with basic skills and knowledge in landscape design, construction and maintenance; identification of local ornamental plant materials and nursery propagation practices.

AG 090 Principles of Food Processing (3)

Introduces the students to the fundamentals of food processing and the relationship between the scientific principles and preparation procedures.

AG 092 Swine and Poultry Production (3)

Introduces the basic skills and principles of swine and poultry production including breed selection, feeds, housing, man-

agement, and animal health.

AG 094 Farm Management and Marketing (3)

Introduces the basic economic concepts, government policies as they relate to farm production and marketing, prepare, analyze and interpret farm records and accounts, techniques and management of farm business.

AG 096 Field Internship (5)

Designed to give the student field experience with a cooperating supervisor from either a government or private agricultural organization. This is for students who are in the last semester of the certificate program.

AG 101 Introduction to Agriculture w/lab (4)

Provides an orientation to agricultural careers and the agriculture major by laying down the basic principles of crop, animal and soil science, forestry, resource conservation, pest management, aquaculture, food science and nutrition, marketing and extension.

AG 110 Crop Production w/lab (4)

Prerequisite: AG 101

Fosters a greater understanding of the current theories and practices in tropical horticultural, agronomic and agroforestry cropping systems. Emphasizes sustainable/low impact production techniques, hands-on field experience, and individual research, experimentation and reporting.

AG 140 Principles of Animal Production w/lab (4)

Prerequisite: AG 101

Develops general skill and knowledge of the principles of efficient production including, feeding practices, breeds, management, housing, marketing, diseases, and sanitation under tropical conditions.

AG 290 Agricultural Project Management (3)

Introduces the basic principles and methods of designing, obtaining, managing and evaluating agricultural projects; both entrepreneurial and governmental funded. Frequent use of case studies, guest lecturers and field trips. Individual final project required.

AG 299 Directed Field Experience (4)

Prerequisite: AG 101, AG 110, AG 140

A structured learning experience working under supervision in a private, non-governmental or government agency involved in agriculture or natural resource management for at least 12 hours weekly.

LAW ENFORCEMENT

AJ 113 Administration of Juvenile Justice (3)

A survey of juvenile justice systems and practices including causes, prevention, treatment, counseling, agencies and institutions.

AJ 151 Introduction to Criminal Justice (3)

An overview of criminal justice procedures including police practices, criminal proceedings, determination of guilt, appeals and post-conviction review.

AJ 152 Introduction to Law Enforcement & Security (3)

An introduction to the fundamental principles of law enforcement and an analysis of security problems and methods.

AJ 155 Administrative Laws of Arrest, Search and Seizure (3)

A study of police authority and responsibility including the laws of arrest, search and seizure, and other procedures and issues related to the processing of criminal cases

AJ 158 Management Skills for Police Officers (3)

Examines criminal justice management from multiple perspectives including communication, budgeting, performance evaluation, time management, community policing, policy development and media relations.

ART

AR 101 Introduction to Art (3)

This is a basic course designed to expose students to a variety of media and techniques and develop creativity in the students. It includes drawing from observation and invention leading to an interpretative and evaluative approach to drawing.

AR 105 Painting (3)

Introduces a variety of painting methods and basic vocabulary used in the organization and analysis of works of art. Improves individual visual perception (ways of seeing) through creative energy. Opportunity for beginning students to paint in a supervised environment.

BUSINESS AND ECONOMICS

BK 095 Bookkeeping I (3)

Introduces the basic understanding of the accounting environment and accounting principles and concepts. The first half of the accounting cycle such as journalizing business transactions, posting to ledgers and preparation of trial balance is covered.

BK 096 Bookkeeping II (3)

Prerequisite: BK 095

Builds on the understanding of accounting principles; the preparation of worksheets, financial statements for a service and merchandising business, internal control and the preparation of payroll.

BU 095 Filing, Office Procedures (3)

Teaches the proper forms of communication, organization and procedures necessary to fulfill a clerical position in an office.

BU 097 Introduction to Entrepreneurship (3)

Introduces the challenges and successes in managing small business in today's market. The definition of entrepreneur, types of business organizations, legal aspects, personnel management and the criteria for establishing a small business are discussed. A simple business plan is developed.

BU 098 Basic Business Math (3)

Develops understanding of basic math to solve typical business problems with emphasis on quick calculation of employee compensation, fractions, decimals, percentage, simple and compound interests, discounts, and buying and selling. (For certificate programs only.)

BU 099 Survey of Business (3)

Introduces basic business concepts including the business environment, types of business organizations, management process, information for business, and international business issues with introduction to business in Micronesia.

BU 099b Office Management (3)

Prerequisites: CA 100s, CA 101s, BU 095, ESL/BU 095, ESL/BU 096, SS 100

This course is designed to prepare students in harnessing all resources for an effective management of paper work in the office and to prepare them for various office works. This course focuses on both theory and practice including 200 hours apprentice work in a designated or chosen office.

BU 100 Practicum (3)

One semester internship course where students will be assigned and supervised by a small business owner or a supervisor of an industry in the community. The students will perform the actual work that businesses and industries in the community expect of them after they successfully complete the program.

BU 101 Introduction to Business (3) (F, Sp, Su)

Prerequisite: ESL 089

Establishes a foundation for the understanding of contemporary business and its environment. The course covers the various functional areas of business: management and organization, human resources, marketing, financing, account-

ing, and information systems. Business ethics and social responsibility, the global business environment and basic FSM business laws/regulations are also covered.

BU 250 Principles of Finance (3) (F, Sp)

Prerequisite: AC 220 and MS 150 OR AC 220 and BU/MS 110

The course will provide the student an in-depth understanding of financial aspects of business such as financial statement analysis, risk and rates of return, time value of money, valuation of bonds and stocks, financial forecasting, working capital policy, credit management, inventory management, short-term financing, and project cash flow.

BU 260 Fundamentals of Management (3) (F, Sp)

Prerequisite: BU 101

Enables the students to develop an understanding of management and organization. The course focuses on important management functions such as planning, organizing, leading, and controlling for successful managerial activities. Students learn how successful managers use organizational resources through organizational functions in order to effectively and efficiently achieve organizational objectives.

BU 270 Principles of Marketing (3) (F, Sp)

Prerequisite: BU 101

Introduces students to the basic concepts of marketing such as consumer behavior, marketing research and information systems, segmentation strategy, as well as the 4Ps. Students are also introduced to international marketing and to the broader marketing environment, including political/legal, economic, demographic, competitive and ethical issues.

BU 271 Business Law (3) (F, Sp)

Prerequisite: BU 101 and AC 131

Introduces the FSM and the US legal system as it relates to contracts, agency and employment, property, sales, business organization and government regulation. Students are provided an overview of the FSM Constitution and the basic principles of court organization, and a survey of tort law as applied to both the FSM and the US.

BU/MS 110 Business Math (3) (F, Sp)

Prerequisite or co-requisite: MS 100

Emphasizes performing common computations found in the various functional areas of business. Students use of graphs, equations, ratio and proportion, percentage, and measurement systems to solve typical business problems such as the calculation of trade and cash discounts, markups, taxes, employee compensation, simple and compound interest, depreciation, inventory valuation, bonds and stocks, basic financial statement analysis, and business statistics.

BU/MS 310 Applied Statistics (3) (Sp)

Prerequisite: MS 150

Builds on the fundamental concepts developed in the introductory statistics course. Students make point estimates of population parameters, construct confidence intervals for sample statistics, perform hypothesis testing to support decisions, make inferences about populations from sample data, use samples to make inferences about the general population, and use linear regression to recognize trends and make forecasts. Students use a computer software package (e.g. MS Excel) for both data analysis and presentation.

EC 220 Microeconomics (3) (F, Sp, Su)

Prerequisite: MS 099, ESL 089, BU 101

Introduces to students the concepts of scarcity and choice, and their influence in the decision making process of individual consumers and firms. Examines the price mechanism (demand, supply and price) and allocation of resources; the theory of the firm – short-run and long-run cost and revenue structure and the interaction between markets; comparative advantage and specialization; and market failure and externalities.

EC 230 Macroeconomics (3) (F, Sp, Su)

Prerequisite: EC 220

Analysis of the entire economy, covering such areas as national income and product (GDP) accounting, money and the banking system, unemployment and inflation, monetary and fiscal policy, international trade, and exchange rates and balance of payments. FSM GDP and other national/state economic data analyzed with special emphasis.

ECO 320 Economic Development (3) (F)

Prerequisite: EC 230 or permission of Business Division

Explores the characteristics of underdeveloped economies, theories of economic growth, and strategies for economic development. Special emphasis is given to the Micronesia and Pacific region.

FIN 312 Corporate Finance (3) (Sp)

Prerequisite: BU 250, MS 150

Builds on the principles course, further developing tools to help the potential manager analyze and solve financial problems in business organizations. Topics include capital structure, diversification, dividend policy, short-term financial (cash, receivables, inventory) management, corporate restructuring (mergers, acquisitions, takeovers, IPOs) and some aspects of international finance.

MGT 320 Organizational Behavior (3) (F)

Prerequisite: BU 260

Covers the human relations movement; basic concepts in behavior pertaining to organizations including personality, motivation, leadership, communication, change, conflict, and group dynamics. Course includes the relationship of these concepts to performance, job satisfaction and organizational commitment.

MGT 350 International Business (3) (F)

Prerequisite: BU 260 and EC 220 or EC 230

Examines the theoretical foundations of international trade and investment; the role of government in international business; cultural, political and legal issues; the international economic and financial environment; and issues in management, marketing, finance, and human resource management, with a brief overview of international accounting and taxation. U.S. and FSM business perspectives are given special emphasis.

MGT 360 Entrepreneurship & Small Business Management (3) (F)

Prerequisite: BU250, BU 260 & BU270 OR permission of Business Division

Enables students to develop an understanding of entrepreneurship and small business management by studying entrepreneurial strategies, how to identify and pursue new venture opportunities, and how to develop business plans. Students also study the FSM environment and how it directly or indirectly influences entrepreneurship and the establishment and growth of small businesses.

MKT 311 Marketing Strategy (3) (Sp)

Prerequisite: BU 270

Builds on the marketing concepts covered in the principles course. The course focuses on procedures for planning and developing the analysis and solutions to common marketing strategy problems involving the marketing mix – pricing, distribution, product development and promotion.

COMPUTER

CA 095 Basic Computer Applications (3)

Designed to help students understand computers and their use in personal life and the business environment. Use Microsoft Office to handle every day tasks of input, processing and storage of information.

CA 100 Computer Literacy (3) (F, Sp, Su)

An introduction to computer concepts and applications. Provides students basic knowledge of the computer hardware components and operating system and basic skills in using word processing, spreadsheet, database, and presentation application programs. Using the internet – electronic mail and the world wide web – is also covered.

CA 105 Data Analysis Using Spreadsheets (3) (F, Sp, Su)

Prerequisite: CA 100

Hinges on the use of a spreadsheet application to create and manipulate data in worksheets and workbooks in order to derive solutions to typical business scenarios. Students use various MS Excel tools and functions (including statistical functions, data validation, protection, pivot tables, filtering, scenarios, etc...) at an intermediate-to-advanced user level.

CA 100b Computer Skills I (3)

The purpose of this course is to provide basic computing skills, such as understanding Windows and using Microsoft Word and Excel, to various government, corporate and agency employees in the FSM.

CA 100s Computer Literacy for Secretaries (4)

This course is an introduction to computer concepts and uses. It provides students with basic knowledge of computer operating system and word processing to interact and use computer application programs effectively in business and everyday life. The Windows '98 fundamentals are covered in relation to Microsoft '2000 application programs. Learning Word 2000 is also covered in detail. The students are trained to develop correct typing techniques; and to perform typing job requirements accurately and neatly at a reasonable time frame. Students are also taught the development of basic fundamentals of typing skill through the mastery of the principles of touch-typing.

CA 101s Computer Applications for Secretaries (4)

Builds on an understanding of computer fundamentals, emphasizing the use of electronic spreadsheet in business, using Microsoft Excel topics such as building worksheets, doing math with formulas and functions, formatting and printing worksheets. Continued emphasis is given to the development of typing power so that students may attain a minimum speed of 45 correct words a minute with error tolerance of 1 error per minute on a 5-minute timed writing. This course includes 16 hours keyboarding.

COMMUNITY HEALTH SCIENCES

CHS 220 Review of Health Science (5)

This course gives an overview of the health care system and the role of the community health worker. The course prepares the student to participate in community health assessment and to use the results to help organize health improvement activities.

CHS 224 Health Problems in Adults (5)

Prerequisite: CHS 220

This course is a survey of conditions commonly encountered in adult patients in the dispensary. It is designed to equip students with the skills they need to provide basic care. This course is designed for health assistants (HAs) who are based in dispensaries in areas where there is no doctor.

CHS 231 Maternal and Child Health I (5)

Prerequisite: CHS 220

This course targets the care, especially preventive and health promotion care, related to children and women of child-bearing age. It is designed for community health workers (CHWs) who will be working in the villages or district centers as well as for health assistants who are based in dispensaries where there is no doctor.

CHS 232 Non Communicable/Communicable Diseases (5)

Prerequisite: CHS 220

This is a survey course of the most important diseases that afflict people in Micronesia. Its focus is on the interplay of host, agent and environmental factors in the production of disease and on the things that can be done to prevent each disease and to prevent disability and death once disease occurs.

CHS 233 Behavioral Health (2)

This is a survey course of the most important behavioral diseases and the things that can be done for them, including preventive measures, and measures to limit damage to individuals, families and communities once disease occurs. Designed for both CHWs and HAs.

CHS 234 Human Nutrition (3)

Prerequisite: CHS 220

In this course, the relationship between diet and health is explored, focusing on the role of the health worker for improving health through nutrition. Designed for both CHWs and HAs.

CHS 235 Dental Health (2)

This course develops an understanding of dental disease and the simple measures that can be implemented by health workers to prevent most of it. Designed for both CHWs and HAs.

CHS 240 Maternal and Child Health II (5)

Prerequisite: CHS 220, 231

This course is designed to teach the elements of care for pregnant patients and care for the woman and infant during labor and the postpartum period. Designed for HAs.

CHS 241 First Aid Care (3)

Prerequisite: CHS 220

This course discusses the emergency management of the common life threatening situations. It is geared toward approaches that are feasible to apply at the community and dispensary level (rather than at the hospital emergency room).

CHS 242 Environmental Health (2)

This course develops the principles and practice of environmental health, following the World Health Organization's Healthy Villages model. Designed for both CHWs and HAs.

CHS 244 Dispensary Management (5)

Prerequisite: CHS 220

This module will develop knowledge and skills related to management in primary health care, with particular emphases on dispensary management for decentralized health care. Designed for HAs.

CHS 251 Health Problems in Children (5)

Prerequisite: CHS 220

This course focuses on the major health problems encountered in children in the community. It provides information on standard protocols for the recognition and diagnosis of disease, and its counseling, treatment, and prevention. It covers also the indications and process of referral. Designed for HAs.

EDUCATION

ED 200 Educational Foundations (3) (State Campuses Only)

This course covers the philosophies and theoretical underpinnings of education in various cultural and historical settings. Economic, socio-cultural and psychological factors as variables are studied. Particular emphasis is placed on education in Micronesia as influenced by these variables with added emphasis on local cultures and bilingual issues.

ED 210 Introduction to Professional Teaching (3)

Prerequisites: EN 110 and EN 120a

This is the introductory course for those planning to enter the teaching profession. The course introduces the basic education terminology, basic teaching methods, basic principles of assessment, introduction to classroom management, and lesson planning using student learning outcomes. A brief lesson is prepared and taught by students in the final stages.

ED 211 Classroom Methods (3) (State Campuses Only)

Prerequisite: ESL 089 and ED 210

Introduces instructional skills of unit planning, lesson planning, organizing for classroom instruction, presentation skills, questioning skills, organizing of activities, evaluation, and the teaching of concepts. Preliminary application of theory as taught in ED 210.

ED 212 Introduction To Language Teaching (3) (State Campuses Only)

Prerequisite: ESL 089

Introduces a critical analysis of the language curriculum in both the vernacular and in English, in oral skills, reading and writing, in grades K-8, as it is presently taught in Micronesian school systems. Recommends teaching skills in each area to improve student performance.

ED 213 Multi-grade Classroom Teaching (3)

Prerequisite: ED 210

Provides an introduction to the theory and practice of multi-grade education world-wide; and then applies this knowledge to FSM classroom contexts. The course examines the pedagogical potential and learning environments in which students of different grade and age levels are grouped for instruction. Practical ideas for implementing a multi-grade classroom environment, including teaching strategies, management and assessment strategies will be explored.

ED 215 Introduction to Exceptional Children (3)

Prerequisite: EN 110, EN 120a

Familiarizes students with categories of handicapping conditions and causes, characteristics of various handicapping conditions, and issues relating to special education.

ED 220 Education of Exceptional Children (3)

Prerequisite: ED 215

Analyzes conditions relative to exceptional individual cases with major emphasis on individual differences and intervention strategies for adapting educational programs.

ED 225 Differentiated Instruction (3)

Prerequisite: ED 211

This course introduces, for those planning to enter the teaching profession, general and specific teaching knowledge, methods, and skills of unit planning, lesson planning, organizing for classroom instruction, presentation skills, questioning skills, organizing of activities, evaluation, and the teaching of differentiated instruction concepts and practices in the whole language and learning-centered approaches.

ED 292 Practicum and Seminar (3)

Prerequisite: Consent of instructor

Provides experience in teaching remedial math, reading and behavior management.

ED 301a Language Arts Methods (4)

Prerequisite: Admitted into the Education upper division program

Prepares the education major to teach English and Micronesia Vernacular Language Arts in the schools of the Federated States of Micronesia. Practical teaching experiences are included.

ED 301b Reading Methods (4)

This course provides students with methods for teaching basic reading skills to elementary age children. Included are skills to analyze reading curriculum, evaluate children's reading abilities and correct beginning reading problems.

ED 302 Social Studies Methods (3)

Identifies objectives, methods and philosophy of social studies program; uses functional instructional techniques to teach social studies to elementary school children.

ED 303 Math Methods (4)

Employs a variety of procedures and methods to teach students practical ways to teach mathematics to elementary school children. Includes practical teaching experiences.

ED 304 Science Methods (4)

Emphasizes methods of teaching science to elementary school children by use of island environments and integrating basic science skills into other elementary school curriculum. Practical teaching experiences are included.

ED 305 Children's Literature and Drama (3)

Prerequisite: Admitted into third-year education program, completion or concurrent enrollment in ED 301a and ED 301b. Introduction to children's literature in English and in vernacular available to children in Micronesia. Students will learn to convert children's literature into scripts for acting out.

ED 330 Classroom Management (3)

Prerequisite: ED 210

Provides skills in classroom management with emphasis on proactive behavior management techniques and classroom organization.

ED 338 Teaching Students with Special Needs in the Regular Classroom Setting (3)

Prerequisite: ED 301a, ED 301b, ED 303, and ED 330

Provides techniques and procedures for teaching students with various special needs in the regular classroom setting.

ED 392 Practicum and Seminar (3)

Prerequisite: Consent of instructor

Provides education majors with limited, supervised, practical teaching experience in an elementary school classroom. It is coordinated with the education methods courses and a required seminar.

ED/CD 100 Introduction to Early Childhood Education (4)

Provides students with basic framework of Early Childhood education; model programs, children, families, teachers; rationale, goals, objectives, and evaluation; physical environment; curriculum components; guidance, and other key issues relating to early childhood education.

ED/CD 101 CDA Orientation, Safety, and Healthy Learning Environment (4)

Orients students with the CDA competency requirements and introduces basic concepts, skills, methods and strategies on how to keep children safe and healthy in a wholesome learning environment.

ED/CD 102 Promoting Physical and Communication Skills (4)

Provides tools to assess physical and communication skills in children; provides knowledge of activities and materials that can be used to promote the development of physical and communication skills.

ED/CD 103 Advancing Cognitive Skills Through Creative Experiences (4)

Introduces students to cognitive and creative development in young children ages three to five years. Develops competencies related to the cognitive and creative functional areas.

ED/CD 104 Promoting Self-esteem and Responsible Behavior Through Social

Experiences (4)

Assists students in promoting positive self concepts and cooperative social behaviors in young children. The major focus is on developing techniques for solving behavior problems.

ED/CD 105 Family Involvement in Preschool Education (4)

Assists students in maintaining an open, friendly, and cooperative relationship with each child's family to encourage their involvement in the program and to support the child's relationship with his/her family in order to promote positive child development.

ED/CD 106 Program Management and Professionalism (4)

Develops and improves student/teacher's professional skills in working well with young children, parents and other staff to ensure the smooth operation of the preschool center.

ED/CD 107 Practicum (4)

Prerequisites: ED/CD 100, ED/CD 101, ED/CD 102, ED/CD 103, ED/CD 104, ED/CD 105

Provides the students with opportunities to practice learned skills while working with young children. Students will prepare for local CDA assessment.

ENGLISH AND LITERATURE

ESL 050 Technical English (3)

Designed to upgrade the English skills of students to a level appropriate for vocational employment.

ESL 051p English for Police Officers (1)

Designed to upgrade English skills for participants from the Pohnpei State Police Academy program.

ESL 055t English For Apprentices (3)

Designed to upgrade English skills for participants in the Pohnpei State Apprenticeship Program.

ESL 079 Study Skills (3)

Placement: Divisional placement

Study Skills is a course designed to assist beginning students to become aware of the study techniques necessary for success at the college level. Students will apply these techniques in a variety of settings.

ESL 088 English Reading IV (3)

Placement: Divisional placement.

To prepare students to master college level coursework, the course focuses on the development of pre-reading, reading and post-reading skills and strategies necessary for students to effectively process academic content materials.

ESL 089 Reading V (3)

Placement: Divisional placement or completion of ESL 088 with a “C” or better

To prepare students to master college level coursework, the course continues to focus on the development of pre-reading, reading, and post-reading skills and strategies necessary for students to effectively process academic content materials.

ESL 091 ACE English I (4)

Placement: Divisional placement.

To prepare at risk students for entry into and success in entry-level college English listening, speaking, reading, and writing skills coursework. Emphasis will be on acquisition of integrated English communication skills in a wide range of activities and content areas. The course is divided into units in which students explore a common theme around which the language skills are structured. Students must score 31 on an essay graded against the COMET rubric and at 7.9th grade reading comprehension to move to English II modules.

ESL 092 ACE English II (4)

Placement: Divisional placement or completion of ESL 091 with a “P”.

To prepare at risk students for entry into and success in entry-level college English listening, speaking, reading, and writing skills coursework. Emphasis will be on acquisition of integrated English communication skills in a wide range of activities and content areas. The course is divided into units in which students explore a common theme around which the language skills are structured. Students must score a 40 on an essay graded against the COMET rubric and at 10th grade reading comprehension to exit English II.

ESL 095 Introduction to Poetry (3)

Introduces the fundamentals of writing poetry and strengthens knowledge of vocabulary, parts of speech and figurative thinking.

ESL 098 Writing IV (3)

Placement: Divisional placement.

Writing IV is a grammar-intensive writing course designed to improve the student’s fluency in written English through increased understanding of the structure and organization of written English with a focus on academic writing.

ESL 099 Writing V (3)

Placement: Divisional placement or completion of ESL 098 with a “C” or better.

Writing V is a writing-intensive course designed to improve the student’s competency in academic writing through an increased understanding of the writing process, rhetorical patterns, and correct grammatical structures.

ESL/BU 095 ESL for Business Purposes I (4)

ESL for Business is designed to build English skills necessary in a business workplace. Students practice the reading, writing, listening, and speaking skills needed in an office setting. A computer lab component reinforces business computer skills and provides opportunities for online English practice.

ESL/BU 096 ESL for Business Purposes II (4)

Prerequisite: ESL/BU 095

This course is designed to continue building English skills necessary in a business workplace. Students practice more advanced reading, writing, listening, and speaking skills needed in an office setting. The computer lab component reinforces business computer skills and provides opportunity for online English practice. Classroom work focuses on three areas: grammar development, carrying out business functions, and reading and writing business correspondence. During the computer lab, students are given assistance as they write business correspondence as well as visit on-line English instructional sites.

EN 110-Advanced Reading (3)

Prerequisite: Divisional placement or completion of ESL 089 with a "C" or better.

Advanced Reading is designed to improve students' critical reading and thinking skills, increase analytical, inferential and evaluative comprehension, expand vocabulary skills, and employ effective study strategies for use across academic disciplines.

EN 120a Expository Writing I (3)

Prerequisite: Divisional placement or completion of ESL 099 with a "C" or better.

Expository Writing I is designed to help students develop skills in expository writing by completing a minimum of five multi-draft essays of varying degrees of complexity. In these essays students develop topics in at least four of these five rhetorical patterns: example, comparison/contrast, classification, process analysis, and cause/effect analysis. The students also write an argumentative essay that demonstrates familiarization with methods of research documentation. During the course, students will utilize the various stages of the writing process: prewriting, drafting and revision. A passing grade in this class is C or better.

EN 120b Expository Writing II (3)

Prerequisite: EN 110 and completion of EN 120a with a "C" or better.

In this course, students will focus on improving their research, pre-writing, expository writing, and critical thinking skills. The course will provide the students with the basic skills necessary to write research-supported papers in the humanities, natural sciences and social sciences.

EN123 Technical Communication (3)

Prerequisites: ESL 089, ESL 099.

This course is designed to build the English skills necessary for success in technical fields. Students practice the types of writing and speaking skills needed for careers in technology. They prepare various types of correspondence, presentations, speeches and interviews.

EN 201 Introduction to Literature (3)

Prerequisites: EN 110, EN 120a

This course introduces students to various types of literature, including fiction, drama, and poetry. Its purpose is to familiarize students with basic literary terminology and critical theories.

EN 202 Narrative Fiction (3)

Prerequisite: EN 110

This course takes a detailed look at the elements of narrative fiction through readings of short stories and novels. It also gives the student practical experience in writing short stories.

EN 203 Drama (3)

Prerequisite: EN 110 or permission of the instructor

This course introduces students to various types of dramatic literature, from the ancient Greek dramas to contemporary Eastern and Western Theatre. Its purpose is to familiarize students with not only the history and theoretical aspects of theatre, but also its practical manifestations through playwriting, acting, directing, stage production and theatre management.

EN 204 Poetry (3)

Prerequisite: EN 110

This course contains three major areas of inquiry. First, there is a selected analysis and review of English poetry from Chaucer to the present. Second, there is a practical study of how poetry uses the sounds of language to convey meaning. Finally, the course contains a workshop component that allows the student to experiment with various poetic forms and concepts in their own writing.

EN 205 Literature of the Sea (3)

Prerequisite: EN 110

A multi-genre examination of the literature of the sea, with an emphasis upon works about the Pacific, by writers of or from the Pacific region. Students will examine, analyze and begin to write nautical literature themselves in the following genres: drama, poetry, fiction (both novels and short stories), non-fiction.

EN 206 Mythology (3)

Prerequisites: EN 110, EN 120a

This course is a cross-cultural and historical survey of some of the world's mythology. It is intended to familiarize the students with the ways in which different cultures have interpreted the world in which they live – how cultures created their own explanations for things they could not understand. Myths from Micronesia, the Middle East, Europe, Africa, the Far East, and the Americas will be examined.

EN 208 Introduction to Philosophy (3)

Prerequisite: EN 110

This course introduces students to the nature of philosophy and philosophical thinking. Major areas of philosophical inquiry developed in the Western tradition are considered.

EN 209 Introduction to Religion (3)

Prerequisite: EN 110

This course is designed to expose students to a wide variety of religious beliefs and practices. Students will examine major religions of the world as well as the questions and issues that religion tries to address.

EN 210 Writings on 19th Century Pohnpei (3)

Prerequisite: EN 110

The course provides an introduction to prose written during and about 19th century Pohnpei. The course materials consist of diverse readings concerning the Early Contact Period in Pohnpei. Non-Fiction elements such as connection of ideas and theme, logic, vocabulary, and grammar will be considered. Fiction elements such as characterization, setting, and figurative language will also be considered.

EN 213 Island Style Theater (3)

In this course students examine theater in order to explore the ideas, images, stories, myths, traditions, changing values, and contemporary social dynamics of Micronesia.

EN214 Fantasy and Science Fiction (3)

Prerequisites: EN 110, EN 120a

The course provides an introduction to writings and derived works in the fantasy and science fiction genres. Course materials consist of diverse readings representing historic and contemporary works. Non-fiction elements such as connection of ideas and theme, logic, extrapolation, scientific or internal consistency, vocabulary, and grammar will be considered. Fiction elements such as characterization, setting, and figurative language will also be considered.

EN/BU 121 Business Communication (3)

Prerequisites: BU 101, CA 100

This course focuses on intercultural writing and speaking skills appropriate for business. Business writing and oral skills are emphasized.

EN/CO 205 Speech Communication (3)

A course designed to increase awareness of the role and contribution of communication to human interaction while transmitting practical speaking skills. Specific attention is given to models of human communication and their effects and to increasing message awareness. Public speaking skills within this theoretical framework will be provided.

EN/CO 207 Introduction to Broadcasting (3)

Prerequisite: MM101 with a "C" or better, or permission of the instructor

This course is designed to improve students' verbal communication skills, increase auditory and esthetic perception and discrimination, expand technology skills and vocabulary, and employ effective verbal communication strategies for use across academic disciplines. This course is part of the College's response to needs expressed by the FSM government to help support the creation of a free press in a Micronesian context. This is a studio arts course; at least half of the con-

tact hours will be in the studio lab.

EN 220 Improving Syntax and Vocabulary: Writing for Teachers (3)

Prerequisite: EN 120b, probationary admission to 3rd Year Teacher Preparation-Elementary.

This course is designed to improve the writing skills of elementary teachers through the development of competencies in the correct use of syntax and vocabulary in written work directly related to the field of elementary education.

EXERCISE SPORT SCIENCE

ESS 101(x) Individual Activity (1)

A variety of participatory courses that educate students about physical fitness, injury prevention, and physical activities they can pursue individually for a lifetime. Examples include resistance training and walking for fitness.

ESS 101b Badminton (1)

This course provides students the opportunity to learn basic skills necessary to play badminton both as an individual and dual sport. It will also include the history, materials and equipment, basic rules of the game, coaching and officiating and strategies of playing individual and dual events. Training for fitness and injury prevention will be tackled as preparation for rigorous activities.

ESS 101r Resistance Training (1)

Students will learn types of resistance that may include resistance tubing, gravity, dumbbells, barbells, medicine balls, and other equipment designed specifically for the purpose of improving muscular strength and endurance. Students will also learn basic skeletal muscle anatomy, resistance exercises for major muscle groups, and flexibility exercises for major muscle groups.

ESS 101w Walking for Health and Fitness (1)

This course is designed to improve health, cardiovascular endurance and flexibility through walking, and to give students an appreciation of the role regular physical activity plays in the quality of life.

ESS 102(x) Group Team Activity (1)

A variety of participatory courses that educate students about physical fitness, injury prevention, and physical activities they can pursue with friends and family for a lifetime. Examples include basketball and volleyball.

ESS 102b Fundamentals of Basketball (1)

This course provides students an opportunity to learn basic skills necessary to play basketball, including ball handling, dribbling, shooting, decision-making, passing, offense, defense and team work.

ESS 102f Fundamentals of Soccer (1)

This class emphasizes the development of beginning soccer skills, knowledge of game rules, soccer team tactics, and systems of play. Course topics also include evaluation of current fitness levels, and injury prevention specific to soccer.

ESS 102s Fundamentals of Softball (1)

This course provides students an opportunity to learn basic skills necessary to play softball, including scorekeeping, hitting, pitching, catching, throwing, base-running and fielding.

ESS 102ws Open Water Scuba Diver (1)

This course will introduce students to recreational scuba diving and qualify students as a PADI Open Water Diver. Upon course completion students will be qualified to dive with a buddy independent of supervision while within the limits of their training and experience, obtain air fills and scuba equipment, plan/conduct/log open water no decompression dives when properly equipped and when accompanied by a buddy in conditions with which they have training and/or experience, and to continue their dive training. Students will be charged a special course fee of \$100 in addition to tuition fees.

ESS 102tt Table Tennis (1)

Students will learn basic skills necessary to play table tennis, including hand eye coordination, physical training, introduction to sport sciences, sport management/organization and team work.

ESS 102u Ultimate Frisbee (1)

This course is designed to improve cardiovascular endurance, speed, agility and flexibility through the team sport of

Ultimate Frisbee, and to give students an appreciation of the role regular physical activity plays in the quality of life. Students will learn basic skills necessary to play Ultimate Frisbee, including throwing, stacking, forcing, decision-making, passing, offense, defense, laying out, and team work. Course topics also include injury prevention specific to Ultimate Frisbee.

ESS 102v Introduction to Volleyball (1)

Students will learn basic skills necessary to play volleyball, including scorekeeping, game modifications, serving, setting, passing, blocking and attacking.

ESS 103(x) Mind/Body Fitness (1)

Courses designed specifically to give students the opportunity to physically explore the connection between the mind and body. Examples are Yoga and Taichi.

ESS 103r Rhythmic Activities (1)

The course will focus on the introduction to rhythmic activities, rhythms, and elements of rhythms that include fundamental steps of social dances and aerobic dances as main activities to promote an enjoyable and active lifestyle.

ESS 103t Introduction to Tai Chi/Qi Gong (1)

Students will learn the Chinese Martial Art of Tai Chi Chu'an and the Healing Art of Qi Gong along with an appreciation of the history and philosophy of Tai Chi.

ESS 103y Introduction to Yoga (1)

This course is designed to decrease stress, improve muscular endurance and increase flexibility through Yoga asanas (physical postures) and pranayamas (breath work).

ESS/SC 200 Fundamentals of Wellness and Physical Fitness (3)

This course is designed to give students the skills and knowledge necessary to make informed choices concerning their health. Emphasis will be placed on the importance of physical activity, and experiencing the process of change.

LANGUAGES

FL 101 Japanese I (3)

Beginning Japanese I is the first of a two-course sequence. The first objective of this course is to introduce the principle elements of the basic Japanese pronunciation and writing system; HIRAGANA, and the second objective is to develop the ability to speak simple Japanese sentences in situations a student encounters in daily life.

FL 102 Japanese II (3)

Prerequisite: FL 101

This course is the second of a two course sequence. The objectives of this course are to follow up on/what a student learned in Beginning Japanese I by developing a greater vocabulary and to introduce new sentence patterns. The other basic Japanese writing system: KATAKANA is also introduced. The emphasis is placed on conversational practice so that a student can develop the ability to communicate in various situations while he/she is becoming accustomed to the language and behavioral patterns in Japanese life.

FL103 Chinese I (3)

The course provides instruction at a beginning level in Mandarin Chinese and is aimed at students who have had no prior knowledge of the Chinese language. While the linguistic aspects of the language will be the primary focus, introduction to the social and cultural background of the language will be integrated throughout the course.

FL 104 Chinese II (3)

Prerequisite: FL 103

This is the second of a two-course sequence. This course continues instruction at a beginning level in Mandarin Chinese and is open to students who have successfully completed FL 103 Chinese I. While the linguistic aspects of the language will continue to be the primary focus, the social and cultural background of the language will also continue to be integrated throughout the course.

FL 109 American Sign Language I

The course is designed to introduce the principles of conversational American Sign Language (ASL), which includes: manual and non-manual features, basic vocabulary, common idioms, and functional grammar with emphasis on the ability to converse in simple ASL. It will help the student to develop an understanding and appreciation of deaf culture through language usages. The students will be able to demonstrate basic knowledge in the area of language.

FL 120 Basic Japanese for Hospitality and Tourism (3)

Develops a basic understanding of Japanese language as a prerequisite to FL 160 Japanese for Hospitality Management. Basic Japanese language skills are needed before the student can go on to mastering specific situational Japanese language for the hospitality setting.

FL 160 Situational Japanese for Hospitality and Tourism (3)

Prerequisite: FL 120

Helps the student develop conversational Japanese language skills utilizing the phraseology of the hotel and restaurant setting. Proper sentence structure as well as situational Japanese language applications germane to the hospitality setting will be covered. Basic Japanese is required for this course.

HOSPITALITY and TOURISM MANAGEMENT

HTM 110 Introduction to Hospitality and Tourism Management (3)

Introduction to the hotel and restaurant industry. Class discussions, industry observations and core information teaching including employment opportunities, trends, problems and organization in the hospitality field will be presented.

HTM 120 Introduction to World Tourism (3)

Prerequisite: HTM 110

Introduction to all facets of the world tourism industry and Micronesia's position in this industry. Ecotourism as a fast growing segment of the world tourism market will be presented in depth. Ecotourism will be stressed as an area of the development priority for Micronesian hospitality and tourism.

HTM 150 Hospitality Supervision (3)

Prerequisite: HTM 110 and HTM 120

Introduction to the simultaneous supervision of the multi-function hotel/restaurant and resort complex including all facets of operations.

HTM 165 Food Fundamentals and Quantity Cooking (3)

Prerequisite: HTM 110

Introduction to quantity food preparation. Study of menu development, inventory control, serving and merchandising of a meal, and food service mathematics. Emphasis placed on supervision skills required for a food service establishment. This course will be taught in a laboratory kitchen setting.

HTM 170 Front Office Management (3)

Prerequisite: HTM 150

Study of front office operations. Instruction in the duties of all front desk personnel including, cashier, night auditor, reservations clerk and the front office manager.

HTM 220 Food and Beverage Management (3)

Prerequisite: HTM 165

Introduction in food and beverage management for a restaurant operation. Purchasing, receiving, storage, issuing, production and service for food and beverages will be presented.

HTM 230 Hospitality Marketing (3)

Prerequisite: HTM 120

Introduces the marketing of Micronesian hospitality services to both Micronesians and the world tourism market, the research and implementation of an operations marketing plan, the functions and responsibilities of a hotel sales department and the interface the department has throughout the organization.

HTM 250 Facilities Management and Practicum (3)

Prerequisite: HTM 170

The course will place the student in the work place to experience staff work, as well as management duties, in each department. Areas of focus will be food and beverage, housekeeping, physical plant maintenance, marketing and night audit.

INFORMATION SYSTEMS

IS 201 Computer Information Systems (3) (F, Sp, Su)

Prerequisite: CA 100

Provides fundamental understanding of computers and information systems. Exposes students to tools and technologies used in the computer-based information systems, including hardware and software resources, business systems, design methods, programming languages, networking and communications, and emerging trends in computer technology.

IS 220 Computer Programming (3) (F, Sp)

Prerequisite: IS 201

Provides an introduction to computer science programming using Microsoft Visual Basic.NET. Course aims at presenting programming concepts, and then a series of hands-on, step-by-step activities to reinforce learning through practical applications in the business environment.

IS 230 Database Design (3) (F, Sp)

Prerequisite: IS 201

Covers the fundamentals of database and the process of database design, including data modeling, the entity relationship, and relational models. Involves hands-on experience for students in setting up a data dictionary, designing screens and practice in the use of structured query language (SQL) programming.

IS 240 Webpage Design (3) (F, Sp, Su)

Prerequisite: CA100

An introduction to the "language" of web pages (Hypertext Markup Language) and to a more advanced scripting language, JavaScript. Students learn the HTML tags necessary to develop a high-quality web page and integrate JavaScript code with the HTML to enhance the capabilities of their web pages. A final project gives students a chance to develop their own pages incorporating all they have learned into a hands-on, web-ready web site.

IS 260 Business Information Systems (3) (F, Sp)

Prerequisite: BU101, IS 220, or concurrently with permission of the instructor.

Introduces students to the management of computer-based information resources in the context of business organizations. Issues covered include management strategies and policies for improving organizational productivity; acquisition management and evaluation of management information services; office automation; end-user computing; computer use in international environments; social and organizational perspectives of information management and ethical implications.

IS 270 Geographic Information Systems (3)

Prerequisite: IS 201

Provides an introduction to Geographic Information Systems (GIS) and its application in several disciplines such as physical planning, mapping, land and utilities management, using available GIS Software.

IS 280 Networking (4) (F, Sp)

Prerequisite: IS 201

Introduces the principles, terminology, and concepts of computer networking from a variety of perspectives. Covering a variety of topics, students acquire a strong foundation of computer networking principles and practices. Lectures are supplemented by a one credit laboratory for demonstration by the instructor and hands-on work by the students.

IS/MM 245 Desktop Publishing (3)

Desktop Publishing is designed to improve the student's visual communication skills, increase spatial and aesthetic perception and discrimination, expand computer skills and technical vocabulary, and develop effective visual communication strategies. The course will focus on projects such as newsletters, annual reports, brochures, and promotional materials as well as on getting the student to utilize other software capabilities. This is a studio arts course; at least half of the contact hours will be in the studio lab.

TRIAL COUNSELORS

LAW 200 Legal Research and Writing (3)

Provides a working knowledge of the major techniques of legal research and writing. Upon successful completion of this course, the student should be able to: locate relevant authority in any law library for use in drafting case notebooks, memoranda, and briefs, use FSM and state legislative materials, including statutes and legislative histories, prepare a polished legal memorandum exploring both sides of a legal issue.

LAW 210 Criminal Procedure (3)

Provides an understanding of the law regulating the conduct of criminal proceedings in the courts of FSM and its states. Upon successful completion of this course, the student should know how the FSM and state rules of criminal procedure are interpreted and applied.

LAW 215 Criminal Law (3)

Introduces the major issues of substantive criminal law including the elements of different crimes, and defense to those crimes.

LAW 220 Torts (3)

Provides an understanding of the law of torts and basic principles of admiralty law. Covers torts of strict liability such as trespass, conversion, fire, nuisance and defamation, and torts of limited liability such as negligent action, fraudulent and negligent statements, intentional interference with contract and torts in a commercial context.

LAW 224 Contracts (3)

Provides basic understanding of the law of contracts and general business law; the way in which a contract may be made; the circumstances which may affect the validity of a contract; and the circumstances in which a contract may come to an end. It also covers basic principles of international commercial law.

LAW 228 Evidence (3)

A comprehensive examination of problems of proof and the rules of evidence; concept of relevance, law of hearsay, and problems of testimonial proof.

LAW 232 Constitutional Law (3)

Provides an understanding of the constitution of FSM, its states, and municipalities; the different kinds of constitutions; the way in which a constitution is made and how it may be amended or repealed; the legal force of a constitution; and the contents of a constitution. Covers basic principles of international law.

LAW 236 Appellate and Civil Procedure/Jurisdiction (4)

This course is designed to provide the student with an understanding of FSM and state rules of appellate procedure. The course also exposes students to all aspects of civil procedure and rules of civil procedure in FSM and its states, and appellate brief writing and oral advocacy.

LAW 238 Real Property (3)

Provides an understanding of FSM and state real property law.

LAW 240 Trial Practice Internship (3)

Eight week internship course, in which students are assigned and supervised by an experienced judge from an FSM or state supreme court or by a practicing attorney. The students will perform actual, supervised pre-trial and trial practice skills in civil and criminal cases.

MARINE SCIENCE

MR 120 Marine Biology w/lab (4)

Prerequisite: ESL 089

The course introduces students to the common forms of life inhabiting the oceans of the globe including the marine microbes, plants, invertebrates, and vertebrates. Their basic structure, function, natural history and adaptations to the

marine environment will be covered. Current issues in marine biology will also be discussed. Laboratory sessions and field exercises will focus mostly on the taxonomic groups.

MR 201 Aquaculture w/lab (4)

Prerequisite: A “C” or better in MR 120 or SC 255, or consent of the instructor.

An investigation of the principles underlying the culture of both marine and freshwater organisms. Pertinent aspects of the physiology of aquatic species will be covered as well as system design, water quality, nutrition, reproduction, and disease. An analysis of the constraints of the development of aquaculture will be made.

MR 210 Marine Ecology (3)

Prerequisite: A “C” or better in MR 120, SC 120, or SC 255 or consent of the instructor.

Focuses on principles of ecology, ecological terminology, and the ecology of marine ecosystems. Important physical, chemical, and biological interactions controlling coral reef, mangrove, sea grass, estuarine, pelagic, benthic and upwelling communities are discussed.

MR 230 Ichthyology w/lab (4)

Prerequisite: C or better in MR 120, SC 120 or SC 255 or instructor’s permission.

Focuses on the general aspects of fish biology including tropical, temperate, freshwater and marine fishes. Topics include classification, biology, and physiology of fish. The laboratory includes internal and external examinations, identification, and field observation techniques.

MR 240 Oceanography w/lab (4)

Prerequisite: ESL 089

The course will include sections on oceanographic history, geology, chemistry, physics, biology, technology, and careers. The use of terminology will be emphasized. Laboratory and field exercises will include demonstration of basic concepts; use of instrumentation; and the collection and presentation of oceanographic data.

MR 250 Fishery Biology and Management (3)

Prerequisite: C or better in MR 120 or MR 240 and MS 100 or MS 101 or instructor’s permission.

The biological aspects of fishery science that are used in management are examined. Population dynamics, modeling, fishing techniques, economics, reproduction, production, ecology, geography, oceanography and important environmental factors are discussed. Individual fisheries are used as examples of important concepts.

MR 252 Fishery Extension (3)

Prerequisite: MR 120

Deals with communication skills and knowledge of extension officers, conveyance of meetings, carrying out fisheries surveys, teaching adults, writing proposals and plans, writing talks for the radio, producing posters and pamphlets.

MR 254 Marine Biology Field Studies (1)

Prerequisite: MR 120 or consent of the instructor.

Reinforces an understanding of marine biology, the marine environment and marine organisms through exposure to learning experiences in the field and laboratory investigations.

MATHEMATICS

MS 091 ACE Math I (4)

Placement: Divisional placement

The purpose of this course is to prepare at-risk students for entry into and success in entry-level college math coursework. Emphasis will be on acquisition of foundational math skills via (1) regular classroom instruction and (2) completion of purpose-designed workbooks supplemented with computer-based talking textbooks. Talking textbooks provide the students with an “any-time” classroom in which each topic in the workbook is demonstrated in narrated, step-by-step detail. All class materials are tailored to English language learners (ELLs). Students must score at least 7 on the first two sections of the COMET math test to move to Math II.

MS 092 ACE Math II (4)

Placement: Divisional placement or a grade of “P” in MS 091.

ACE Math II is a continuance of ACE Math I. The purpose of this course is to prepare at-risk students for entry into and success in entry-level college math coursework. Emphasis will be on acquisition of foundational math skills via (1) regu-

lar classroom instruction and (2) completion of purpose-designed workbooks supplemented with computer-based talking textbooks. Talking textbooks provide the students with an “any-time” classroom in which each topic in the workbook is demonstrated in narrated, step-by-step detail. All class materials are tailored to English language learners (ELLs). Students must score at least 7 on the first three sections of COMET math test to move to 100 level math courses.

MS 094 Introduction to Technical Math (4)

This is a preparatory course for technical mathematics. It is designed to provide professional-technical students with the mathematical tools needed to succeed in selected higher-level technical occupational programs. The topics covered will be focused on critical thinking, problem solving, and mathematical communication using applications in applied arithmetic, measurement, and geometry. To advance to the next level of mathematics, the student must demonstrate proficiency to at least “C” grade level.

MS 095 Prealgebra (4)

Prerequisite: by placement.

This is an intensive, one semester prealgebra course designed to prepare students for elementary and intermediate algebra courses. The course covers arithmetic operations, mixed and decimal numbers, factoring, fractions, proportions, percentages, measurements, geometry, graphing, and basic algebraic expressions.

MS 096 Elementary Algebra (4)

Prerequisite: A grade of “C” or better in MS 095, by placement, or permission of instructor.

Students will be able to perform arithmetic operations on expressions and equations; solve and graph linear equations and inequalities; solve ratios, proportions, and problems involving two unknowns; factor and graph polynomial expressions including solving quadratic equations by factoring.

MS 099 Intermediate Algebra (4)

Prerequisite: A grade of “C” or better in MS 096, by placement, or permission of instructor.

Students will be able to perform arithmetic operations on rational expressions; solve and graph inequalities, absolute value, functions, and systems of linear equations; evaluate, simplify, and rationalize radical expressions and complex numbers; solve quadratic equations by completing the square and using the quadratic formula; and solve and graph inverse, exponential, and logarithmic functions.

MS 100 College Algebra (3)

Prerequisite: A “C” or better in MS 099 OR a “P” in MS 092

Identifies components of exponential expressions in polynomials with mathematical operations of exponential expressions; factoring of up to 4th degree polynomials; recognizing rational and irrational numbers with emphasis on the use of number lines, equation and inequality solving with application problems; introduction of literal equations; working with radical expressions; graphing of two variables on the xy plane; solving systems of equations in two or three variables.

MS 101 College Algebra and Trigonometry (3)

Prerequisite: C or better in MS 100

Introduces the students to quadratic, log, exponential, and trigonometric functions.

MS 103 Geometry (3)

Prerequisite: ESL 089, MS 098 or MS 099, by placement, instructors permission with concurrence of chair or director of academic programs.

Students solve problems involving basic logic, engage in geometric constructions and proofs, and explore geometric patterns in mathematics and nature. The course includes a focus on language and history, as well as on geometric mathematics.

MS 104 Technical Math I (4)

Prerequisite: Admission (MS 100 level) or “C” or better in MS 094

The first of two courses designed to provide vocational students with the mathematical tools needed to succeed in selected occupational programs. Topics covered are basic mathematics, measurements, and the fundamental concepts of algebra, geometry and trigonometry.

MS 106 Technical Math II (4)

This course is a continuation of MS 104 and is designed to provide vocational students with the mathematical tools needed to succeed in selected higher-level technical occupational programs. Topics covered include exponents and monomials, polynomials, roots and radicals, graphing trigonometry functions, angle formula, and the applications of trigo-

nometry, vectors, complex numbers and logarithms.

MS 150 Introduction to Statistics (3)

Prerequisite: MS 100

Introduces the basic ideas of data presentation, descriptive statistics, basic probability, and inferential statistics. Incorporates the use of a computer spreadsheet package, MS Excel, for both data analysis and presentation. Studies basic concepts using applications from business, social science, health science, and the natural sciences.

MS 152 Calculus I (3)

Prerequisite: MS 101

A first calculus course covering the basic concepts of limits, continuity, derivatives, and an introduction to integration. Introduces the notions of mathematical proof and synthesis of algebraic and geometric concepts. Designed to either stand on its own or lead into a second semester course.

MS 154 Calculus II (3)

Prerequisite: MS 152

A second calculus course covering the basic concepts of integration. Additional topics involving sequences and series are to be included as time permits.

MS/ED 200 Statistics in the Classroom (3)

Prerequisite: MS/ED 110, ED 210, and ED 211, and may be taken concurrently with ED/WS 200; or with permission of the instructor.

This one-semester course in the A.S. degree program for teacher education covers basic knowledge, methods and skills in the use of statistics in the elementary-school classroom. It introduces four broad areas of educational statistics specific to instruction in the classroom: (1) descriptive methods (frequency distribution, measures of central tendency, and measures of dispersion); (2) statistical inference (chi square and t-testing); (3) measurement of readability; and (4) identification of pupil weaknesses in learning and of teacher weakness in teaching.

MS/ED 210a Math for Teachers (3)

The course is a first semester course designed to provide the students with a broad understanding of basic mathematic concepts. The topics include: problem solving strategies, the numeration system and its operations, number theory, integers, fractions, decimals, exponents, and real numbers. This course places emphasizes on the use of models, diagrams, manipulatives, applications, problem solving and reasoning. Through the use of the hands-on activities in this course, students will gain and enhance their conceptual knowledge of arithmetic from counting to algebra. These are especially geared to provide ideas, models, knowledge, and standards that are necessary for successful teaching of mathematics to elementary and middle school children.

MUSIC

MU 101 Introduction to Music (3)

A practical music course providing students with an understanding of music fundamentals, basic skills in note reading and instrumental performance.

MU 105 National COM Choir of Micronesia (1)

Prerequisite: Successful Audition

A semester-long course designed to improve vocal techniques, musical awareness, and provide students with choral performance opportunities. Types of music performed in this course may include classical, jazz, Micronesian, multi-cultural, patriotic and other choral music. Students will learn healthy vocal technique and understand how to use that technique to produce a variety of timbre, dynamics and colors. Choir is a one credit course and students can take it for three semesters in order to fulfill their three-credit humanities requirement or open elective.

NURSING

NU 100 Medical Terminology (3)

Prerequisite ESL 089; ESL 099

This course introduces basic medical terminology used in health care settings. The organization of words with prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included to support

and reinforce understanding of anatomy and physiology and health related documents. Definitions, pronunciation, spelling, word usage, and analysis of unknown words within the context of medical applications are emphasized.

NU 101 Nursing Assistant Practice (7)

Corequisite or prerequisite: NU 100

Nursing Assistant Practice introduces concepts and skills essential to the provision of basic nursing care to individuals in a variety of health care settings, including ethical and legal standards; observation, measurement, reporting, and documentation; interpersonal skills and communication with clients, families and team members; patient/client centered care; infection control and standards/transmission based precautions; personal care, activities of daily living; nutrition and elimination; safety and emergency procedures; and basic restorative care and health promotion activities across the lifespan. (4/3)

NU 121 Study and Test-taking Skills for Nursing I (2 cr)

Corequisite: NU 125

This is an elective course for Level I nursing majors. Explores study and test-taking skills in nursing as applied to selected nursing content from NU 125.

NU 122 Math Skills in Nursing I (2 cr)

Corequisite: NU 125

This is an elective course for Level I nursing majors. Provides supplemental practice with the dosage calculation skills for NU 125.

NU 123 Writing Research in Nursing Lab (1 cr)

Corequisite: NU 125

This lab course applies the research process to nursing topics. Introduces access to common print and web-based nursing and health related resources. Introduces writing academic papers in APA format. (0/3)

NU 125 Health Promotion in Nursing (7 cr)

Prerequisites: Admission to Level I nursing courses. Corequisite: ED/PY 201

This course introduces the core competencies and core values of the COM-FSM nursing curriculum. Focuses on activities of daily living, health behaviors, self-management, and health promotion across the life span to support healthy lifestyles of Pacific Island communities. Nursing process, basic health assessment, communication for relationship-centered interactions, medication administration, health information literacy and writing, evidenced-based nursing practice, health care outcomes, teaching-learning, and the role of the nurse in the interprofessional health team and in health systems are included. Clinical learning experiences occur in the simulation lab and a variety of health settings to develop therapeutic relationships, sound clinical judgments, safe nursing care, and self-directed learning.

(3 class, 4 lab cr)

NU 131 Study and Test-taking Skills for Nursing II (2 cr)

Corequisite: NU 135

This is an elective course for Level I nursing majors. Explores study and test-taking skills in nursing as applied to selected nursing content from NU 135.

NU 132 Math Skills in Nursing II (2 cr)

Corequisite: NU 135

This is an elective course for Level I nursing majors. Provides supplemental practice with the dosage calculation skills for NU 135.

NU 133 Pharmacology (3 cr)

Prerequisites: NU 125, Corequisites NU 134, 135

This course introduces the principles of pharmacokinetics and pharmacodynamics of selected pharmacological agents across the lifespan. Emphasis on application of clinical reasoning to pharmacotherapeutics through client assessment, intervention, and evaluation using evidence-based practice. Explores selected natural therapeutic substances. Includes client teaching about medications in Pacific Islands communities.

NU 134 Pathophysiology 134 (3 cr)

Prerequisites: NU 125, Corequisites NU 133, 135

This course introduces basic pathophysiological processes across the lifespan, including cellular communication, genes and genetic disease, forms of cellular injury, fluid & electrolyte/acid base balance, immunity, stress coping and illness,

and tumor biology. Pathophysiology and clinical manifestations of common health alterations are included, with examples on health alterations in Pacific Islands.

NU 135 Health, Illness, & Nursing I (7 cr)

Prerequisites: NU 125, Corequisites NU 133, 134

This course builds upon NU 125, with a focus on nursing assessment, planning and care of individuals with common chronic and acute health alterations across the lifespan, including client perspectives of illness and family functioning. Investigates the concepts of client autonomy, care coordination, delegation, and health care access in Pacific Islands. Clinical learning experiences are in a variety of health settings and simulation lab that emphasize application of evidence-based, culturally, and age appropriate nursing interventions. (3 class, 4 lab/clinical).

NU 141 NCLEX PN Review Course (3 cr)

Corequisite: NU 145 or instructor consent

This course helps prepare for the NCLEX-PN exam required by the National Council of State Boards of Nursing for PN licensure in the United States and several Pacific Island jurisdictions and admission to most baccalaureate and master's degree nursing programs. The test-blueprint for the NCLEX-RN exam provides the organizing structure for review utilizing lecture, small group, and online study strategies.

NU 145 PN Leadership in Clinical Practice (3 cr)

Prerequisite: NU 135

This capstone course supports transition to the PN graduate nurse role in Pacific Islands. Emphasis is placed on clinical judgment and nursing management of patients with commonly recurring health alterations, communication and collaboration with patient/clients, families, and the interprofessional health team, and leadership in the practical nurse role. Professional expectations in relation to licensure, continuing education, standards of practice, career and lifelong learning goals are examined. The course culminates with integration and self-analysis of the COM-FSM PN core competencies (1 class, 2 clinical)

NU 200 Transition to Associate Degree Nursing (6 cr)

Prerequisite: Admission to Advanced Placement ASN degree

This course introduces the core competencies and core values of the COM-FSM nursing curriculum. Provides an update in theory and application in the role of the practical nurse in the Pacific Islands, including legal, ethical, and professional behavior, relationship-based communication and collaboration, critical thinking and clinical judgment, nursing process and evidenced-based practice, health behaviors, health promotion, teaching-learning, and outcomes management in a therapeutic environment, and health information literacy and writing nursing research papers. (4 class/2 lab)

NU 221 Study and Test-taking Skills for Nursing III (2 cr)

Corequisite: NU 225

This is an elective course for Level II nursing majors. Explores study and test-taking skills in nursing as applied to selected nursing content from NU 225.

NU 222 Math Skills in Nursing III (2 cr)

Corequisite: NU 225

This is an elective course for Level I nursing majors. Provides supplemental practice with the dosage calculation skills for NU 225.

NU 225 Health and Illness in Nursing II (7 cr) Fall 2012

Prerequisites: NU 135 or 200 Corequisites: SS 150

This course builds upon NU 135, introducing application of the core competences to complex acute health alterations across the lifespan and end-of-life care. Focuses on clinical judgment prioritization of care, client and family teaching, care coordination, and ethical decision-making in acute care. Includes concepts on primary care and public health nursing in the Pacific Islands in the acute phase of non-communicable chronic diseases. Clinical learning experiences in a variety of health settings and simulation lab emphasize evidence-based practice that includes culturally, developmentally, and age-appropriate aspects in the nursing process, delegation and supervision, and collaboration with the interprofessional health team. (3 class/4 lab/clinical)

NU 230 Study and Test-taking Skills for Nursing IV (2 cr)

Corequisite: NU 235

This is an elective course for Level II majors. Application of study and test taking skills through review of selected nursing content in NU 235.

NU 235 Health and Illness in Nursing III (7 cr)

Prerequisites: NU 225 Corequisite NU 232, 245

This course builds upon NU 225, introducing application of the core competences to complex chronic health alterations across the lifespan and end-of-life care in the Pacific Islands. Focuses on prioritization of care, client and family teaching, care coordination, and ethical decision-making. Includes concepts on primary care and public health nursing in the Pacific Islands, such as non-communicable chronic diseases. Clinical learning experiences in a variety of health settings and simulation lab emphasize evidence-based practice that includes culturally, developmentally, and age-appropriate aspects in the nursing process, delegation and supervision, and collaboration with the interprofessional health team. (3 class/4 lab/clinical)

NU 241 NCLEX RN Review Course (3 cr)

Corequisite: NU 245 or instructor consent

This course helps prepare for the NCLEX-RN exam required by the National Council of State Boards of Nursing for RN licensure in the United States and several Pacific Island jurisdictions and admission to most baccalaureate and master's degree nursing programs. The test-blueprint for the NCLEX-RN provides the organizing structure for review utilizing lecture, small group, and online study strategies.

NU 245 Leadership in Clinical Practice Capstone (3 cr)

Prerequisites: NU 225 Corequisite NU 232, 235

This capstone course for nursing students supports transition to the RN graduate role in the Pacific Islands. Emphasis is placed on nursing management of groups of clients with complex health alterations, utilizing principles of evidenced-based practice, clinical reasoning, prioritization, delegation, collaboration as a member of the interprofessional health team and leadership in the RN role. Professional expectations in relation to licensure, continuing education, standards of practice, career and lifelong learning goals are examined. The course culminates with integration and self-analysis of the COM-FSM nursing core competencies. (1 class, 2 clinical)

PSYCHOLOGY**SS/PY 101 General Psychology (3)**

Prerequisites: ESL 089

A survey of the concepts, theories and research behind the study of human thought, emotion and behavior.

ED/PY 201 Human Growth And Development (3)

Prerequisite: SS/PY 101

Introduces human growth and development with special emphasis on the physical, cognitive, emotional and moral issues related to the practical period through elementary school years. Covers the entire human life cycle from the prenatal period through old age and death.

ED/PY 300 Educational Psychology (3)

Prerequisite: ED/PY 201

Reviews complex factors involved in learning, individual differences, motivation for learning, individual differences in learning, leadership and the socio cultural factors as they affect the education of children and youth.

PUBLIC HEALTH TRAINING PROGRAM – PHTP**PH 041 Community Education (3)**

This course enables students to develop an ideological base for non formal education practice in health care setting and in the community. It discusses the motivation of learning in adults and various principles of teaching arising from community analysis. Students will be introduced to a wide range of teaching methods suitable for use in non formal education which would help them develop appropriate interpersonal skills. This course is also designed to help health workers develop training programs to support the communities.

PH 049/ CHS 233a Behavioral Health (2)

This is a survey course of the most important behavioral diseases and the things that can be done for them, including preventive measures to limit damage to individuals, families and communities once disease occurs. Designed for both community health workers (CHWs) and health assistants (HAs).

PH 051 Introduction to Information Systems for Health Managers (3)

This course underscores the methodological importance of accurate, relevant, timely and complete data for effective and evidence-based decision-making by health managers. A wide range of data sets, from the traditional morbidity/ mortality data through those on services utilization and resource monitoring, are presented and analyzed. Elements of data display are introduced. Epidemiology provides the basis for surveillance, planning and generation of health information systems which are an important component of health care. The course will discuss the epidemiological concepts of health and measures of health, and introduces screening, epidemics evaluation and study designs.

PH 052 Essential Public Health Functions and Primary Health Care (3)

This course gives an overview of the eleven Essential Public Health Functions (EPHF) that capture the role of national health authorities (NHA) in public health. The course prepares students to participate in the preliminary assessment of NHA's performance on EPHF. Students doing this course will also learn the concept, principles and components of Primary Health Care (PHC). This would enhance their perception on the fundamental role of PHC in improving the health of people in Pacific communities and in reducing health inequalities between different groups.

PH 053 Practicum Placement in a Public Health Service (3)

This Placement, as well as other prescribed Placements, entails supervised attendance and participation, as allowed or directed, in the activities of the specific Public Health facility. The completion of a "Learning Portfolio – Logbook", a written summary report by each student and the appraisal of students' performance by the assigned Supervisor/ s will complement the assessment.

PH 069/ CH 235 Dental Health (2)

This course develops and understanding of dental disease and the simple measures that can be implemented by health workers to prevent most of it. Designed for both community health workers (CHWs) and health assistants (HAs).

PH 079/ CHS 241 First Aid (3)

Pre-requisite: CHS 220a

This course discusses the emergency management of the common life threatening situations. It is geared toward approaches that are feasible to apply at the community and dispensary level (rather than at the hospital emergency room).

PH/ MS 109 Mathematics for Health Sciences (3)

Pre-requisite: MS 099

This course is specifically designed for health science majors. It incorporates every aspect of Mathematics relevant to health care and health prevention applications, such as arithmetic computations, algebra, ratios, proportions and systems of measurement. It also covers introductory statistics, necessary for students to analyze and interpret data, and it includes topics essential for health care personnel, such as reading medication labels, dosage calculations, calculations for basic intravenous (IV) therapy, as well as logarithms, ionic solutions and pH.

PH 111 Introduction to Basic Epidemiology and Biostatistics (3)

Pre-requisite: MS 099

This course introduces the epidemiological principles and their application in the occurrence of health-related events in the population. An introductory overview of biostatistics concepts and skills that are necessary for epidemiological practice will also be addressed. Epidemiology works through studies that try to identify, describe and measure the distribution of health and disease, and their determinants, in a specific population.

PH 112 Introduction to Epi-Info and Computing for Public Health (3)

Pre-requisite: CA 100 or concurrently

This course familiarizes students with the use of computers and information technology which are essential tools to enhance their academic research and writing skills. The students will also learn how to use the Epi-Info program, a statistical software for research data management, which is frequently used in public health practice.

PH 121 Environmental Prevention and Control of Disease (3)

This course equips students with knowledge and skills in the preparation of information on communicable diseases for the use in the communities, with the support of public health workers. The course will enable students to identify diseases, particularly infectious diseases; identify and apply environmental methods for disease prevention; and control transmission to humans and/or animal reservoirs.

PH 131 Food and Nutrition in the Life Cycle (3)

This course provides theoretical principles of basic nutrition and fundamental elements of nutritional needs of different age groups in the lifecycle. The course enables students to relate the nutritional principles to the human growth and development process; and to explore the health consequences of nutrition practices chosen by each person. Students will understand the physiological changes related to nutrition and the important role nutrition plays in maintaining health. This course also introduces the concept of nutritional anthropometry and growth monitoring, which may well help students to detect signs of inadequate intake of key nutrients.

PH 141 Principles of Health Promotion (3)

This course introduces students to Health Promotion, one of the disciplines of Public Health practice. Health Promotion is a relatively new field in most of the Pacific island countries. As thus, the course will cover the basic principles and approaches of health promotion with particular emphasis on health promotion programs and activities taking place in Micronesia and the Pacific. Students are expected to gain an appreciation toward the fundamental role health promotion plays in maintaining and improving the health of people in communities.

PH 151 Introduction to Pacific Health Care Systems and Traditional Medicine (3)

This course presents various health care systems in the Pacific and the special contexts under which these systems operate. It provides an overview of health service organization, traditional medicine, western medicine, utilization of health services and other contemporary issues related to health. The course offers an insight into management theories, management of the environment and organizational cultures. The fundamentals of traditional medicine are introduced and reviewed with particular focus on Micronesian traditions, wherever applicable.

PH 152 Practical Health Services Management (3)

This course introduces the concepts, definition, principles, and main functions that are important in Health Services Management. It will guide students toward good management practices that will be vital at central and peripheral levels of the health system. The management theories and concepts are translated into practical examples and exercises guiding students to understand what happens in the lower- and mid-levels of a health care system. Topics covered include the development and functioning of health teams, community participation, resources management, and management of primary health care services.

PH 211 Health Research Methodology (3)

Pre-requisite: PH 111, or Instructor's permission

This course introduces students to research as an essential tool to create new knowledge and to develop proper utilization of existing knowledge in health and health care services. The course covers the basic concepts and principles in the classic quantitative approach, which looks at disease causation and patterns in the communities. It also addresses the qualitative approach, which looks at social aspects and individual behavior as factors determining people's health and disease status. Instructions on how to construct a mixed methods research design will also be presented. Other important issues related to health research, including literature review, ethical considerations, and writing strategies will be discussed.

PH 212 Surveillance, Identification and Management of an Outbreak (3)

Pre-requisite: PH 111, or Instructor's permission

This course begins with a review of public health surveillance systems (PHSSs), their components and functions. Emphasis is placed on the fundamental role of a PHSS in detecting possible disease outbreaks. Students will learn the basic concepts and principles of outbreak identification and management. Basic principles on evaluation and possible solutions for improvement of public health surveillance systems, particularly those of the Pacific, are also discussed.

PH 221 Occupational Health and Safety (3)

This course introduces concepts and a practical guide to recognizing, preventing, and treating work-related and environmentally-induced injuries and diseases. Occupational diseases and the toxicological implications of workplace exposure and basic response principles are reviewed. Students will become acquainted with Health and Safety Legislation and other occupational and safety standards and guidelines. By the end of the course, students are expected to have undertaken an auditing of the hazards in one workplace and instituted a health promotion campaign in that workplace.

PH 231 Food, Nutrition and Lifestyle Diseases (3)

Pre-requisite: Either PH 131 or SC 112, or Instructor's permission

This course discusses problems of inadequate and/or imbalanced nutrient intake and corresponding diseases and disorders. Related lifestyle diseases that are relevant in Micronesia will be covered. Potential risk factors for and physiological impact of nutrient deficiencies and diseases will also be discussed. The course also looks at the role of development in relation to nutrition related diseases in the Micronesian and Pacific communities. Students will be introduced to simple

therapeutic diets commonly used as part of the treatment and general dietary advice.

PH 241 Case Studies and Special Issues in Health Promotion (3)

Pre-requisite: PH 141, or Instructor's permission

This course has two major intentions. Firstly to expose students to a range of Health Promotion planning and evaluation instruments, techniques and methods. Secondly, and in conjunction with the first intention, to examine a range of Health Promotion programs and cases, particularly cases that do not fit in easily with a broad approach to Health Promotion studies.

PH 251 Management of Health Information Systems and Epidemiology (3)

Pre-requisite: Either PH 151 or PH 152 or Instructor's permission

This course is designed to promote the management of information systems and the use of epidemiological methods in planning and evaluation. Students will learn to incorporate epidemiology in developing evidence-based health care services and policies. This course will be useful to all health workers at any level of the health service especially those working in health statistics sections. The course is also available as a paper-based flexible and distance-learning package.

Applied Epidemiology and Health Research (AE-HR)

PH 311 Introduction to Clinical Epidemiology (3)

This course addresses the function of Epidemiology in clinical medicine. It looks at issues of normality and abnormality, frequency of events over time (probability), risk, cause, and uncertainties associated with diagnosis, prognosis, management and outcomes. The course also provides guidelines for appraisal of medical literature related to causation, diagnostic tests, prognosis and case-management/ treatment

PH 312 Research Methods for Health Services Management (3)

This course focuses on the concepts and principles of scientific quantitative methods, from the setting up and the implementation of research projects, through the definition of research questions, the selection of research objectives and designs, to the analysis of data and the presentation of results. This course is designed for students and scientists who are getting started in research and need the basic steps in research design, that is, the way a research idea is translated into a feasible research proposal and the steps that must be taken thereafter to implement the proposed study.

PH 313 Evidence-based Public Health (3)

The course emphasizes the imperative that evidence be invariably sought and taken into full account in all aspects of public health work, and specifically in health service management, health promotion, environmental health, food and nutrition and applied epidemiology/ health research. Practical applications of the general evidence-based approach form also integral part of the course.

PH 314 Public Health Surveillance and Management of Health Information Systems (3)

Pre-requisite: PH 111, or Instructor's permission

This course is designed to underscore the importance of the management of information systems and the use of epidemiological methods in planning and evaluation. Emphases are placed on the operation of surveillance systems, their fundamental function and contribution to reliable health information systems. Issues on existing mechanisms of public health surveillance systems in Pacific Island countries, their effectiveness and areas for improvement are discussed. This course is particularly useful to students and health workers working and/ or interested in health statistics.

PH 316a Research Project in Applied Epidemiology (3)

Pre-requisite: PH 312

This course introduces students to the processes and practical issues involved in the performance of research, and provides them with adequate and practical research experience to enable them to conduct further projects after completing their studies.

PH 316b Research Project in Applied Epidemiology (3)

Pre-requisite: PH 316a

This course introduces students to the processes and practical issues involved in the performance of research, and provides them with adequate and practical research experience to enable them to conduct further projects after completing their studies. The course culminates in the presentation of a completed, self-directed research project.

Environmental Health (EH)

PH 321 Food Handling, Microbiology and Hygiene (3)

Food has a well-documented association with health and the eventual transmission of disease. Food hygiene may be regarded as the protection of food from contamination. The course contents include elements of microbiology in relation to food; food production, processing, distribution and marketing; consumer protection and imported foods; investigation of food complaints and food poisoning outbreaks; food and water-borne diseases. The course equips students and health workers with knowledge and skills relating to safe food practices.

PH 322 Practicum 2: Terrestrial and Human Ecology (3)

The course introduces students to the principles of experimental design and operation in relation to the study of terrestrial ecosystems and human ecology. Literature concerning the form and function of terrestrial ecosystems and quality of life in communities will be emphasized. Students will select an ecosystem, which shows evidence of disturbance in a natural environment, and use simple field measurements to assess the impact of development upon plant, animal and human populations.

PH 323 Practicum 3: Environmental and Health Impact Assessment (3)

The course encourages students to employ all elements of the environmental health methodology in order to assess the impact of developments on the environment (aquatic, terrestrial and atmospheric). Students are directed towards the planning, implementation and interpretation of field monitoring exercises on selected environments. The course comprises group activities and is directed towards the recognition and assessment of the potential impacts of proposed developments on the quality of life.

PH 324 Environmental Health Project Management (3)

This course addresses various community development strategies and different development models together with a number of case histories. Students are taught the principles of participatory project cycle management and references are made to important development issues, such as: community participation, local knowledge, gender and role of development partners. Students are required to work with selected communities and develop simple environmental health projects that will address most of the course's content.

Food and Nutrition (FN)

PH 331 Management of Food Services Systems (3)

This course provides an overview of how institutional food services operate. It covers food service systems in the Pacific region with particular emphasis on the Micronesia situation. Students are taught to plan simple, nutritious and cost effective menus based on an approved ration scale. As kitchen and equipment are major inputs into food service systems, the course also requires students to plan and draw a simple layout of an institutional kitchen and dining room, identify different equipment and other appropriate implements, taking into consideration costs, suitability of equipment, workflow efficiency and safety.

PH 332 Foundations of Food Preparation (3)

This course focuses on the acquisition of basic skills in food preparation, physical properties of food and the scientific principles related to food. It also examines the economics and management aspects of food preparation through developing cost effective and culturally appropriate recipes. The course addresses the preparation of foods, highlights cooking principles and relates these principles to methods of preparation. It also discusses factors affecting food preparation, such as the composition and storage of foods as well as the effects of cooking on palatability and nutritive value.

PH 333 Food Security, Development and Health (3)

This course examines the relationships between food, health and development. It focuses on a healthy population as the basis of meaningful national development. Topics include food security for communities, government policies and their impact on food security, health and development, and food and nutrition policies and programs to improve the quality of life, also taking into account the advantages of multi- and intersectoral collaboration, and the role of NGOs.

PH 334 Community Nutrition (3)

The course provides students with a sound knowledge of common issues in community nutrition as it relates to the situation in the Pacific, and the skills to identify problems and address them. The practical component of the course provides hands-on experience in the analysis of existing data sets to identify trends in nutritional health in a particular community

and to examine the surveillance system that is in place, the planning and implementation of an intervention activity to promote and sustain health and prevent diseases amongst nutritionally vulnerable groups, and the evaluation of the likely impact of the intervention, its practicality and sustainability.

Health Promotion (HP)

PH 341 Social Marketing and Advocacy in Public Health (3)

Social marketing and the use of community wide campaigns are important components of any health promotion program. The two strategies are used interchangeably expanding on health education and communications methods with the aim of informing and/changing social norms. Social marketing uses commercial marketing techniques where the consumer (target audience) is the focus of market research, behavioural analysis, product development (including Information – Education – Communication [ICE] materials), advertising and promotion. In this course students are required to write one major project paper.

PH 342 Evidence – based Health Promotion

This course motivates students and all health workers, engaged in health promotion, to seek documentary evidence in order to support their health promotion efforts. The value of anecdotal evidence, frequently relevant in health promotion work, is placed in its appropriate context. Practical guided reviews of health promotion-related documents, as well as collegially reviewed exercises, complement the course.

PH 343 Settings Approach and Healthy Public Policy in Health Promotion (3)

Since the Ottawa Charter in 1986, Health Promotion has been revolutionized. Starting from the historical and definitional basis of what constitutes a Health Promotion Setting, specific examples drawn from South Pacific settings such as villages, schools, workplaces, market places and health care facilities, are studied within the overall context of the “Healthy Islands”. The course concludes by studying formal health policy formulation and analysis, and the role of health policy in reducing poor health and address individual, family, community health needs.

PH 344 Health and Environment Promotion (3)

This course explores how the principles, practices, strategies and interventions of Health Promotion, a substantive discipline in Public Health, can be applied to environmental health issues. Environmental health can be seen as central to Public Health. Environmental Health Promotion has been an important component of many international documents [Alma Ata; the Ottawa Charter; the Adelaide Recommendation; and, in the Pacific the Yanuca Declaration, which formed the basis of the Healthy Islands concept]. With these in mind, the course will cover the basic principles of health promotion with particular focus on environmental health issues and practical intervention methodologies. The course includes experiential learning through field visits.

Health Services Management (HSM)

PH 351 Health Care Management and Systems in the Pacific and Micronesia (3)

This course introduces and discusses theory, models and examples drawn from Pacific nations. Class work will also focus on the opportunities and needs to bridge the gap between increasing demands for health care and scarcity of resources. Theories that influence policy development, the influence of political systems and power in policy process, and management achievement and obstacles to efficient and effective utilization of health systems are likewise addressed.

PH 352 Introduction to Health Economics and Health Care Resourcing (3)

This course begins with a broad introduction to Economics, concepts of resources and scarcity along with the theory of demand, of supply, and market economy. Students focus on how to blend the basic economic concepts into the management of health services. The resulting, basic concepts of health economics, including health care financing; the use of cost information; measuring health benefits; economic appraisal and evaluation of health interventions, are then addressed. Different methods of health care resourcing and the options available to Pacific Health Administrations, including national revenues, health insurance, user charges, private sector cooperation, etc., are also discussed. Concepts and management of National Health Accounts conclude this course.

PH 353 Evidence-based Management of the Essential Public Health Functions and Human Resources for Health (3)

This course provides students with an overview of the principles of evidence-based policy and health care. Students learn how to use practice guidelines, based on evidence, to change management practices. The course refers to the

“Essential Public Health Functions (EPHF)” as options to the sustainable delivery of public health interventions. Operational research supported, in the Western Pacific, by WHO-WPRO, forms a reference in this course, as it has common objectives, suitable also to Micronesia, such as ” EPHF identification, description and governance; EPHF sustainable delivery, within the PHC framework; and forecasting potential impact of eventual changes in the health sector on the EPHFs.

PH 354 Introduction to International Public Health (3)

International Public Health (IPH) is approached from its historic foundations, and is then followed through the several organizational structures that were proposed, established and, eventually, amended as mandates, needs and prevailing conditions changed. Attention is focused on international collection and exchange of public health – relevant information; on the processes of action at international level, and their economic and financial implications; and on the impact of scientific and technological developments on IPH.

PH 365a Placement in a Public Health Practicing Facility (3)

This placement entails supervised attendance and participation, as allowed or directed, in the activities of a specific public health facility. The very practical, “real life” exposure to actual public health work is expected to enhance motivation and interest, among the students, in community-centered health work, such as immunization, epidemic control, infectious and chronic diseases prevention, environmental protection, and so on. PBL approaches will be adopted whenever possible or warranted. It is envisaged that each student will normally be placed in 2 [two] public health practicing facilities during a semester, for a recommended total of 4 facilities/ 2 semesters. However, successful completion of each of “part a – PH 365a” or “part b – PH 365b” will award 3 credits in that semester.

PH 365b Placement in a Public Health Practicing Facility (3)

This placement entails supervised attendance and participation, as allowed or directed, in the activities of a specific public health facility. The very practical, “real life” exposure to actual public health work is expected to enhance motivation and interest, among the students, in community-centered health work, such as immunization, epidemic control, infectious and chronic diseases prevention, environmental protection, and so on. PBL approaches will be adopted whenever possible or warranted. It is envisaged that each student will normally be placed in 2 [two] public health practicing facilities during a semester, for a recommended total of 4 facilities/ 2 semesters. Students must complete two semesters (PH 365a and PH 365b).

NATURAL SCIENCES

SC 094 Family Health (3)

An introductory non lab remedial/certificate science course about family health topics with emphasis on family structure, accurate mental and physical processes related to sexuality and family cycles, nutrition and diet, lifestyle diseases that affect families in Micronesia and limits of family resources to maintain the health of families.

SC 098 Survey of Science (3)

A non-lab remedial/certificate science course that emphasizes the development of science concepts for natural sciences such as chemistry, physics, earth science and biology, and hands-on experience to promote basic science skills such as measurement and the use of the scientific method of inquiry to explore the natural environment. In addition, scientific literacy and reading comprehension will be addressed to assist students in furthering their science education.

SC 100a Science for Teachers (3)

This one-semester course covers basic knowledge of topics and contents in the Chuuk State Department of Education’s science curriculum framework (Grades 1-8) in order to increase information background of students (pre-service teachers) in elementary-school science. At the same time, it is intended to help students develop and demonstrate both science methodology and science teaching methods and skills in Space Science, Earth Science, Physical Science, Human Science, and Life Science.

SC 101 Health Science (3)

Prerequisite: ESL 089

Emphasizes basic human anatomy, disease and disease carriers, personal and community hygiene, first aid treatment of minor accidents, mental health and illness, and sex education.

SC 111 Environmental Studies (3)

Prerequisite: ESL 089

Introduces the concept of ecosystems, exposes students to local ecological communities and resources, presents local environmental problems, such as pollution, resource depletion, and population, and suggests possible control methods.

SC 112 Introduction to Human Nutrition (3)

Prerequisite: ESL 089

Provides basic information on the nutrients, and components of a proper diet with an emphasis on Pacific Island foods, and on diet-related disease common in Micronesia.

SC 117 Tropical Pacific Island Environment w/Lab (4)

Prerequisite: ESL 089 and recommended completion of one other college-level science course and Micronesian History. The course will present ecological principles made relevant by examples from Pacific Island ecosystems and from interactions of humans with our island reefs and forests. It will focus on the close interrelationship between the physical (hydrosphere, lithosphere, atmosphere) and biological (biosphere) environments of tropical Pacific Islands and the impact of human colonization. Emphasis will be placed on islands as “closed” systems with limited surface area and resources. Drastic alteration to Pacific island environments by rapid population growth, industrialization and modern technology within the last century will be explored.

SC 120 Biology w/lab (4)

Prerequisite: ESL 089

Provides an introduction to modern biological concepts at the molecular, cellular, and organismic levels, including cell biology, anatomy, physiology, genetics, plant and animal diversity and ecology.

SC 122a Anatomy and Physiology I w/lab (4)

Prerequisite: SC 120

Deals with the survey of the human body systems including the study of structures and functions of the human body.

SC 122b Anatomy and Physiology II w/lab (4)

Prerequisite: SC 122a

Deals with the systems that integrate and control the body functions and maintain continuity of life.

SC 130 Physical Science w/lab (4)

Prerequisite: ESL 089, MS 099 with a grade of “C” or better.

A general overview of physical science which includes the study of motion, force, energy, matter, electricity, light, magnetism and basic chemistry.

SC 180 Microbiology w/lab (4)

Prerequisite: SC 120, SC 101

Emphasizes basic understanding of microbiology and control of pathogenic micro-organisms with emphasis on common infections caused by pathogenic micro-organisms and work of body resistance.

SC 201 Astronomy (3)

Prerequisite: ESL 089

Provides a survey of the astronomical universe, including solar systems, star clusters, and galaxies.

SC 220 Introduction to Geology (3)

Prerequisite: ESL 089

Introduces the natural and physical environment: the landscape, rocks and minerals, rivers and oceans, volcanism, earthquakes and other processes inside the earth.

SC 230 Introduction to Chemistry w/lab (4)

Prerequisite: MS 098

The course is an investigation of the fundamentals of general chemistry and an introduction to organic chemistry. The course will emphasize the role of chemistry in modern human life. The laboratory supports the lecture topics, through both qualitative and quantitative experiments. The topics include: basic concepts, chemical substances, chemical reactions, atomic structure, states of matter, and an introduction to organic chemistry.

SC 240 Introduction to Physics w/lab (4)

Prerequisite: C or better in SC 130 or MR 130.

Introduces the basic concepts of classical mechanics and gravitation. A survey of electromagnetism, optics, thermody-

namics and modern physics is given.

SC 250 General Botany w/lab (4)

Prerequisite: SC 120 or MR 120 or instructor's permission

Introduces the study of structure, function and evolution of plants, their relationship to the environment and to humans.

SC 255 General Zoology w/lab (4)

Prerequisite: Complete SC 120 or MR 120 with a grade of "C" or better or instructor's permission.

Provides a general survey of the basic principles of animal biology with emphasis on the invertebrate and vertebrate groups, classifications, structure, physiology, life histories, ecology, evolution and genetics.

SC 260 Independent Studies in Biology (1-3)

Prerequisite: Instructor's permission.

Participation in a field or laboratory research project alone or jointly with faculty project leader and other participants. Student works on one or more phases of the project, including library research for background information, collecting data, analyzing data, and preparing a research report or manuscript suitable for publication.

SC/SS 115 Ethnobotany (3)

Prerequisite: ESL 089

The course combines the study of the interaction of people and plants with a broad survey of the diversity of plants described both scientifically and culturally. Students learn about the social impact of plants on culture while becoming knowledgeable in the characteristics, local uses, and names of the major plant phyla present in Micronesia. Computer based technologies are also a component of this course.

SOCIAL SCIENCES

SS 070 Local History and Nature (3)

Introduces local history as well as the plants and natural resources of the islands that may be of interest to tourists.

SS 098 Introduction to Social Sciences (3)

Introduces students to the basic skills and concepts in the social sciences.

SS 100 World of Work (3)

Prerequisite: ESL 089

Provides the students with an opportunity to examine work roles, jobs, and attitudes relating to the world of work.

SS 101 Introduction to Political Science (3)

Prerequisite: ESL 089

Introduces students to the major elements of political science through a conflict-management approach.

SS 102c Local Social System-Chuuk (3)

This course introduces an overview of the Chuukese social system in the academic context of the social sciences and in light of the real-world transition from traditional to modern. It further requires students to acquire cognitive, affective, and psychomotor knowledge, skills, and disposition. A major activity is practical experience in sailing a canoe in the Chuuk Lagoon and in visiting various islands in the Lagoon.

SS 111 Cultural Anthropology (3)

Prerequisite: ESL 089

An introduction to the concepts, theories and research behind the study of world cultures.

SS 120 Introduction to Geography (3)

Prerequisite: ESL 089

An introduction to physical and regional geography.

SS 125 Geography of the Pacific (3)

Prerequisite: ESL 089