



# ACADEMIC DEPARTMENTS

- ❖ **Agriculture, Community and Natural Resources**
- ❖ **Business**
- ❖ **College Life Planning**
- ❖ **Criminal Justice**
- ❖ **English Language Institute**
- ❖ **Fine Arts**
- ❖ **Health & Human Services**
- ❖ **Languages and Literature**
- ❖ **Mathematics**
- ❖ **Nursing**
- ❖ **Physical Education**
- ❖ **Army Reserve Officers Training Corps**
- ❖ **Samoan Studies**
- ❖ **Science / Marine Science**
- ❖ **Social Science**
- ❖ **Trades and Technology Division**



## AGRICULTURE, COMMUNITY AND NATURAL RESOURCES

### AGRICULTURE, COMMUNITY AND NATURAL RESOURCES DEPARTMENT MISSION STATEMENT

The mission of the Agriculture Community and Natural Resources Department (ACNR) of the American Samoa Community College is to provide educational services in general agriculture, agribusiness, family and consumer sciences, and natural resources management. ACNR currently offers Associate of Science Degree with an emphasis in these areas. Courses are designed to serve both full-time and part-time students including those who may wish to transfer to four year institutions. The department strives to provide a solid educational foundation that will enable the students to succeed in their academic and career goals.

#### COMMUNITY ADVISORY COUNCIL:

Mr. Peter Gurr, DOA; Mr. Ikenasio Sagaga, ASEPA; Mr. Tavita Togia, NPS; Mrs. Fiasili Haleck, Business; Mrs. Tele Hill, DOH; Ms. Lupe Sunia, DHSS; Mrs. Ianeta Ah Ping, LBJ; HTC Nanai K.S. Afuola, SA; Mrs. Claire Bacus-Deweese, DOE-Nuuuli Vocational Technical High School; Ms. Selaina Vaitautolu, DMWR; Mr. Kuki Edward Avegalio, Farmer.

**CHAIRPERSON AND FACULTY:** Mrs. Pauline Tuitele McFall, Acting Chairperson; Mr. Ionatana L. Fa'asavalu, and Dr. Michael Otto Hansell, Faculty.

### COURSE DESCRIPTIONS

#### AGE 150 Agriculture Economics (3)

An introduction to the economics of agricultural production, marketing, pricing, income and decision making involving farm operations that includes government policies and programs related to agricultural and socioeconomic problems of farmers.

#### AGR 100 I Practical Job Experience (1)

This course is designed to provide the students with needed practical skills while working in an agricultural setting during the Summer Institute, Fall or Spring Semesters.

#### AGR 100 II Practical Job Experience (1)

*Prerequisite:* AGR 100 I

This course is designed to provide the students with needed practical skills in an agricultural setting in the following two options:

- (A) Land Grant Research Station
- (B) On-Farm Work

#### AGR 152 Survey of Community and Natural Resources (3)

Students will learn about career options available to them in agriculture, natural resources, and family and consumer sciences by interacting with local professionals working in these fields. Each weekly meeting will cover a different discipline, with an introductory presentation followed by a field trip to observe work within that discipline. Field trips will visit local agribusinesses, farms, and government agencies.

#### AGR 197/MSC 197 Polynesian Culture and Natural Resources Learning Project (3)

*Prerequisite:* A 4-credit Biology course

This course is designed to provide the necessary background information for participation in a service-learning. It covers the natural resources of American Samoa and their cultural use. Students will be provided information about the listed topics and have the opportunity to conduct further research. They will also learn about the resources and culture of other countries and make comparisons among the different systems.

#### AGR 200/MSC 200 Introduction to Aquaculture (3)

This is an introductory level course that covers the scope and role of aquaculture for increasing food production of aquatic organisms. The biological principles of aquaculture, including species selection, hatchery breeding and rearing and grow-out practices will be covered, including the status of the aquaculture industry in American Samoa.

#### AGR 250 Introduction to Horticulture (4) (formerly Crop Production)

*Prerequisite:* BIO 180

The basic principles of horticultural crop production include growth, development, reproduction, and propagation. Management of the crop environment: soil fertility and plant nutrition, water, temperature, light and wind; and crop hazards of weeds, pests and diseases. Study of the production practices for world food crops. Production of locally important crops



emphasized. Practical sessions to complement lectures should include field visits and laboratory exercises.

**AGR 297/MSC 297 Environmental Service Learning Exchange (2)**

**Prerequisite:** AGR197/MSC197

This course is a four-week, service-learning course. Students will utilize knowledge gained from MSC 197/AGR 197 to carry out community service projects that will include: stream bank restoration, trail maintenance and creation of educational displays and signs. They will also learn about the resources and culture of other countries and to make comparisons among the different systems. A portfolio will be kept on activities and a final report will be required on their projects.

**ANS 150 A Animal Science (2)**

This course is an introduction in general agriculture, animal science or natural resource management. Lectures, discussions, practicals, and presentations by experts and community members will include topics on agriculture, livestock, nutrition, breeding, management, pasture/turf grass, meat processing and marketing. Emphasis will be on swine and poultry production. Students who plan to further their studies of Agriculture beyond the Associate of Science level must take both this course and ANS 150 B.

**ANS 150 B Animal Science (2)**

**Prerequisite:** ANS 150 A

A supplement to ANS 150 A that provides a complete, in-depth, introductory animal science course. This two-credit discussion and lecture course will provide further detail on livestock anatomy, physiology, nutrition, genetics and global livestock systems. This course is intended to be a more rigorous scientific examination of livestock production.

**FAM 250 Family Finance (3)**

**Prerequisites:** ENG 150, MAT 151

This course is designed to address the identification and management of personal resources and family finances to meet the needs and wants of individuals and families throughout the family life cycle. Topics include financial planning for daily needs, banking, saving and investing, managing credit, managing risks and insurance; consumer choices, rights and decision making related to meeting personal and family goals

for nutrition and wellness, clothing, housing, and transportation.

**FAM 260 Parenting: Models for Guiding and Nurturing Children (3)**

**Prerequisites:** ENG 150, PSY 150

Students will study new models of parenting theories, methods, skills, issues, and resources. They will view parent-child relationships in various cultural contexts. They will also gain the necessary skills for guiding and nurturing children as a parent and for teaching others those skills in high school and adult education settings.

**NRS 180 Forests and Agroforestry (4)**

**Prerequisite:** BIO 180

An introductory course containing three general areas of focus:

- (1) The global importance of forests, emphasizing tropical rain forests, specific forest communities and uses in Samoa.
- (2) The theoretical and practical study and measurement methods in forestry.
- (3) Forest management systems, emphasizing agroforestry, community forestry, conservation and preservation.

**NRS 200 Natural Resources (4)**

**Prerequisites:** MSC 160, NRS 180

A comprehensive overview of wildlife, wetlands and marine natural resources. Special emphasis is on local species, communities and ecosystems. Laboratories are field oriented, focusing on identification and measurement of resource conditions.

**NRS 250 Environmental Studies (3)**

**Prerequisites:** ENG 151, NRS 200

A course that enables students to develop skills in ethics, interpretation and investigation in relation to the environmental settings and issues. Global, national and local examples are provided. Student presentations and projects are required.

**NUT 150 Nutrition (3)**

This course is an introduction to the science of nutrition as it applies to everyday life. The goal is to teach students how to apply the logic of science to their own nutritional concerns. Topics include the six major nutrients: carbohydrates, lipids (fats), protein, vitamins, minerals, and water. The course will also examine the human body, energy balance, weight



control, the digestive process, life stages and diseases as they relate to nutrition and fitness.

## BUSINESS EDUCATION

### BUSINESS DEPARTMENT MISSION STATEMENT

The mission of the Business Department is to develop and offer successful student learning by providing high quality business educational programs and services that will enable students to enter the workforce, continue their education, start a business, and become productive citizens in today's global and high-tech workforce. Moreover, the programs foster students to build strong partnerships with both public and private sectors in job placement and educational improvement opportunities.

To meet this mission, the department offers the following degree and certificate programs of studies:

1. Associate of Science in Accounting
2. Associate of Science in Business Management
3. Certificate of Proficiency in Accounting
4. Certificate of Proficiency in Business Management

The curriculum provides for career mobility. Business majors must complete all the business courses in each program with a "C" grade or better. A "C"-grade earned in any business course is not acceptable for graduation. A business degree in Accounting or Management requires students to supplement classroom learning with practical experience at least 30 to 40 hours. This may be gained through work, internships in firms and organizations, or special projects as directed by business faculty. Students may complete these requirements by taking ACC 152A for Accounting, and MKT 212 for Management. Both courses will offer a practicum during the fourth semester. A field trip either on or off-island is required for Management majors to observe and collect data on the importance of mass production, channels of distribution, office procedures/protocol and valuing diversity in the workplace. (A national requirement)

### COMMUNITY ADVISORY COUNCIL:

Mr. Alex Zodiacal, Manager, Economic Development Division(DOC); Representative Agaoleatu Charlie Tautolo, Owner – McDonald Samoa; Ms. Faauisa O. Sotoa, Assistant Director – Vocational Education (DOE); Mr. Herbert Thweatt, SBDC State Director (ASCC); Mr. David Robinson, President, American Samoa Chamber of Commerce; Ms. Makerita Enesi, Chief Employment and Labor Development – ASG Training Division.

**CHAIRPERSON AND FACULTY:** Dr. Faofua Faatoafe, Chairperson; Mr. Lam Yuen, Lam Yuen, Jr., Faculty, and Ms. Athena T. Mauga; Faculty.

### BUSINESS COURSE DESCRIPTIONS

#### ACC 150 Principles of Accounting I (3) (formerly College Accounting I)

**Prerequisites:** BUS 103, BUS 150

This course introduces students to the accounting cycle and methods to record and report financial information through application of procedures used to classify, record, and interpret business transactions and prepare financial statements. Students will demonstrate an understanding of the Accounting equation and explain the purpose of the closing process.

#### ACC 151 Financial Accounting (3) (formerly College Accounting II)

**Prerequisite:** ACC 150

This course is a continuation of ACC 150, with emphasis on the corporate setting and fundamentals of financial accounting. Topics will further discuss long-term investments, liabilities, both current and long-term, and stockholders' equity. Students will analyze financial statements by using horizontal, vertical, and ratio analysis.

#### ACC 152A Payroll and Income Tax (3) (formerly College Accounting III)

**Prerequisite:** ACC 150

This course provides an overview of federal and local income taxation with emphasis on individual business taxes. Students will study and perform the recording process and preparation of payroll and tax filing using the American Samoa System and the Federal Tax bracket system.





**ACC 210A Managerial Cost Accounting (3)**  
*(formerly Payroll and Income Tax Preparation)*

**Prerequisite:** ACC 151

This course focuses on the in-depth study of manufacturing cost accounting with emphasis on job order process, cost systems, the development of managerial skills in using accounting, and financial information to create budgets. Analyzing of material costs, labor costs, and manufacturing overhead costs will lead into the understanding of the cost-profit analysis in determining the breakeven points, and the fixed and variable costs involved in cost accounting.

**ACC 220 Automated Accounting (3)**  
*(formerly Using Computers in Accounting)*

**Prerequisite:** ACC 152A

This course reinforces student's knowledge of accounting concepts and principles through the use of computers. Instructions will be provided in computer operations using commercially available accounting software such as Peachtree or QuickBooks. Students should be able to utilize skills in entering data for the software to create financial reports, closing statements, and payroll accounting that will assist them to land on middle level business jobs. A worksite experience of 25-30 hours is required upon completion of the course.

**BUS 103 Introduction to Business (3)**

This course provides an overview of the American free enterprise market system. The course introduces students to entrepreneurship and the business process, with a balanced overview of the interwoven nature of basic business discipline and principles. Topics to be explored include business formation and practices, small business management, market dynamics, economic systems, competitive strategies, business ethics and social responsibilities.

**BUS 150 Financial Math (3)**  
*(formerly BUS 200)*

This course strengthens the theory and applications of commonly used business calculations such as simple and compound interests, face value, maturity value, and present value computations by using the 10-key calculators and electronic displaying printing calculators. Emphasis will be placed on hands-on skills through the completion of the Assimilation Package (18 hands-on jobs).

**BUS 160 Business Communication (3)**  
*(formerly BUS 225)*

**Prerequisites:** BUS 103, ENG 150

This course is designed to provide knowledge and skills needed for effective communication to achieve personal and business goals. It will challenge students to think, create, and analyze verbal and non-verbal communication. Students will prepare business correspondence and written reports, deliver oral presentations, and use electronic writing and presentation tools. The course will also focus on career employment process and communicating with a diverse and global workforce. Skills in grammar, punctuation, and business vocabulary will be developed throughout the course.

**BUS 170 Ethics in the Workplace (3)**  
*(formerly BUS 210)*

**Prerequisites:** BUS 103, ENG 151

This course introduces students to the contemporary issues of ethics, morality, and social responsibility that face the business community, both locally and globally. Students completing this course will be able to define various theories of ethics, appreciate the importance of ethics framework for analyzing and resolving real-world ethical issues, as well as to gain knowledge and critical thinking skills to analyze and resolve ethical issues in business and management. The course will examine such components as the nature and purpose of professional standards and codes, the role played by individual character in professional life, and the demands and pressures encountered by professionals within their institutional settings.

**BUS 180 Applied Business Statistics (3)**

**Prerequisites:** BUS 103, ENG 150, MAT 151

This course provides an introduction to both theory and applications of statistical methods used for a description and analysis of business problems. The course develops a student's analytical skills by introducing basic statistical concepts and techniques, including probability and sampling, descriptive statistics, inference, regression and one-way analysis of variance. The course will rely on business case scenarios for practical applications and conclude with how statistics are used in society and business.



### **BUS 260 Business Law (3)**

**Prerequisites:** BUS 103, ENG 151

This course explores the US and American Samoa legal system environment in which businesses operate and studies the interaction between business and the legal system. Students examine various areas of the law which are important to business. Topics include the court system, government regulations, torts, contracts, agency, ethical and criminal implications of business actions, property laws, and the legal aspects of different business entities.

### **ECO 250A Principles of Microeconomics (3)** (formerly ECO 251)

**Prerequisites:** BUS 103, ENG 151

This course introduces students to economics as a way of thinking, observing, analyzing and identifying problems and their possible solutions. Topics included demand and supply, scarcity and prices, maximizing utility, production and costs, perfect competition, monopoly, antitrust and regulations, distribution of income, unions, market failure, public goods, international trade and financing, gross domestic product (GDP), gross national product (NPD), and the FED.

### **ECO 250B Principles of Macroeconomics (3)** (formerly ECO 250)

**Prerequisites:** BUS 103, ENG 151

This course introduces students to the overview of economics and its key categories. Students will be familiarized with concepts and principles of the American economy. Topics will further discuss opportunity cost, economic activities in producing and trading, supply and demand, prices and unemployment, real GDP, monetary and fiscal policies, economic stability, taxes and deficits, public debts, money and banking, natural and unemployed resources, and applying modern technology in solving and interpreting numbers and graphs.

### **MGT 250 Principles of Management (3)**

**Prerequisite:** ECO250A or ECO 250B

This course introduces students to an overview of reaching organizational goals by working with people. Students are familiarized with the principles of management, the four functions of management, classical approaches to system management, theories

and concepts related to human motivation in management careers.

### **MGT 255 Human Relations & Organizational Behavior (3)**

**Prerequisites:** MGT 250, MKT 195

This course introduces students to study the development of individual and inter-personal relationships applied to business and industry. Emphasis is placed upon values, communications, problem-solving, motivation, leadership, and how individual interact with each other within a group environment. In addition, human relations skills and organizational behavior concepts are developed within organization environments to better understand behavior, performance, learning, perception, values and diversity. Communication skills, conflict resolution, power, politics, and team dynamics are presented and analyzed within modern organizations.

### **MKT 195 Principles of Marketing (3)** (formerly MKT 200 Retailing)

**Prerequisite:** BUS 103, BUS 150, ENG 151

This course provides a general overview of the field of marketing, including price, product, place, and promotion of consumer goods. Marketing strategies, channels of distribution, marketing, retailing, research, products promotion and advertising, consumer attitudes as they relate to marketing will be studied. Students will learn that marketing is not just advertising, retailing, or selling; it compasses of myriad of concepts, techniques, and activities all directed toward distribution of goods and services to chosen consumer segments.

### **MKT 212 Marketing and Management Practicum (2)** (formerly Salesmanship Practicum)

**Prerequisites:** MKT 195, MGT 255

This course offers opportunities for students to earn credit in directed work experience of 30 to 40 hours in either marketing and/or management within an approved business (private or public) agency approved by the department chair or instructor. Students will be required to file an exit report on work experience together with an approved Performance Evaluation by the work-site employer. An off-island field or e-marketing research is planned to obtain direct observation or in-depth understanding on how various



products are produced, packaged, stored, and distributed locally and globally. Emphasis is placed on the completion of a Business Plan being viewed and approved by a local or off-island business owner.

## CRIMINAL JUSTICE

### CRIMINAL JUSTICE DEPARTMENT MISSION STATEMENT

The mission of the Criminal Justice Department is to develop and offer the student an academic preparation for entry level career positions in all areas of the justice system in American Samoa and similar opportunities elsewhere. The program provides an opportunity for the student to develop abilities and skills necessary for a career upgrade and for transfer to other colleges and/or four-year institutions. The program encourages students to be cognizant of the social, ethical, legal, political and cultural perspectives of the American Justice System and its impact on the American Samoa System of Justice as well as those of other Pacific Island nations.

To fulfill this mission, the department offers the following degree and certificate programs:

1. Associate of Science in Criminal Justice
2. Associate of Arts in Pre-Law

**COMMUNITY ADVISORY** Honorable Sala Mamea Jr., Associate Judge; Counsel Afoa L. Suesue Lutu; Rep. Ae Ae, Jr.; Lt. Saite Moliga, Warden; and, Counsel Tala Uiagalelei.

**CHAIRPERSON AND FACULTY:** Mr. Mark O. Mageo, Chairperson, and Mr. Dennis Fuimaono Faculty.

### CRIMINAL JUSTICE COURSE DESCRIPTIONS

#### **CJ 150 Introduction to Criminal Justice (3)**

The study of the criminal justice system, its components, procedures, and interrelationships between the components: the police, prosecution, courts and the corrections. It also examines the impact of the concept of justice and other re-occurring issues

upon the public, private, and the community in the United States as well as American Samoa.

#### **CJ 155 Traffic Functions (3)**

This course covers the basics in police patrol functions and duties. It is aimed at preparing the prospective police officer with the skills and abilities in conducting traffic investigations, traffic stops, roadblocks, drunk driving sobriety testing, arrest and vehicle search procedures, and the common traffic officer role.

#### **CJ 160 Patrol Operations (3)**

This course covers the basics in police patrol functions and duties. It will cover the sound and proper procedures of safety patrol principles, selective enforcement, beat analysis, vehicle stops, searches and seizures, field interrogation, and other common patrol functions.

#### **CJ 165 Introduction to Probation and Parole (3)**

The philosophical and historical development of probation and parole are discussed, including their functions, role and impact on the Criminal Justice System and community. It covers the decisions to grant probation, and/or parole, conditions imposed, revocation hearings, statutory provisions governing probation and parole administrations and supervision, parole board and other related issues.

#### **CJ 170 Criminal Evidence (3)**

This course covers the origin, development and philosophy of criminal evidence. It will enable the student to understand the constitutional and procedural consideration for rules of evidence, the applicability of rules to criminal and civil matters, rules governing admissibility, and overview of evidentiary privileges.

#### **CJ 175 Criminal Investigations (3)**

This course covers crime scene investigation, collection and preservation of evidence, interrogation of suspects, admissibility of evidence and confessions.

#### **CJ 180 Criminal Law (3)**

The historical and philosophical development of criminal law is examined. Major emphasis is on substantive criminal law, definitions, and elements of crime from common law system including recent developments that have been incorporated in statutes and/or case laws. Concepts such as jurisdictions, mental element, criminal defenses, and more are



examined as their applications on the system of criminal justice.

**CJ 190 Juvenile Delinquency (3)**  
(formerly *Juvenile Procedures*)

This course covers the philosophical, historical and practical survey of the juvenile justice system. It covers theories of causation, factors and characteristics of delinquency and a survey of the treatment and prevention programs.

**CJ 195 Introductions to Corrections (3)**

The philosophical and historical development of corrections, functions, objectives, personnel, and rehabilitative and community based programs. The course will also cover the relationship of probation and parole to correctional goals and objectives.

**CJ 200 Comparative Justice (3)**

This course is an introductory course in the comparative study of the criminal justice systems. A comparative analysis of the criminal justice systems components of police, prosecution, courts and corrections throughout the world and the pacific region will be explored.

**CJ 210 Constitutional Law (3)**

*Prerequisite: ENG 151*

The historical, philosophical, and ethical issues that pertain to the amendments of the United States Constitutions, its intentions, source of authority, the rights under the Bill of Rights, and its applicable contributions to the procedural due process. Major emphasis will focus on landmark U.S. Supreme Court decisions interpreting constitutional provisions, phrases and protections guarantees primarily with regards to the amendments.

**CJ 215 Foundations in Criminology (3)**  
(formerly *Fundamentals to Criminology*)

*Prerequisite: ENG 150*

This course offers an interdisciplinary perspective of crime and criminal behavior in relations to the criminal justice system. Theoretical approaches to explaining crime, criminal statistics, typologies and victimology will be assessed, and the influence of crime theory on public policy will be explored.

**CJ 220 Survey of Law (3)**

*Prerequisite: ENG 151*

This course presents the philosophical, historical and cultural role of law as played in a complex and modern society. Emphasis is on civil law and its relation to legislative, judicial and administrative agencies. The areas covered are judicial remedies, contracts, torts, property laws, administrative law, employment laws, anti-trust laws, and alternative dispute resolution. This course will strengthen the participant's powers of legal reasoning and analysis.

**CJ 230 Criminal Justice Administrations and Organization (3)**

*Prerequisite: ENG 151*

The study of Criminal Justice administration and organization, nature, function and processes among the criminal justice agencies. The course covers an overview of principles of organization and management, and specific aspects of organization--communications, leadership, personnel, budgeting, planning, information management and more.

**CJ 240 Police Community Relations (3)**

*Prerequisite: ENG 151*

This course covers the interrelationships and role expectation between the police department, various government agencies, private sector and the community in developing cooperation among these entities and the police.

**CJ 250 Constitutional and Criminal Procedures (3)**

*Prerequisite: ENG 151*

This course will focus on making the law understandable and user friendly for those who will enforce it without diminishing substance and accuracy. Each student will be able to grasp a good working knowledge of the law by duly authorized agents of the respective state and explain how and why an officer loses sight of the framework for proper job performance. Also, each student will be able to retain legal concepts better learning to minimize legalese, focusing on analysis and comparison of leading court cases and the future trends in law enforcement procedures.





## TEACHER EDUCATION

### TEACHER EDUCATION DEPARTMENT MISSION STATEMENT

The American Samoa Community College Teacher Education Department provides preparatory courses for pre- and in-service teachers in the areas of Early Childhood, Elementary Education, Special Education, Educational Technology, and Teaching Samoan Language and Culture. In addition, Teacher Education Department emphasizes fundamental theories to pedagogical practices, methods and research that will improve the quality of standard-based teaching as an instrument that reflects best teaching and learning practices.

**COMMUNITY ADVISORY COUNCIL:** Mrs. Milaneta Tinitali, ASDOE /ECE Director; Ms. Diana Ameperosa, ASDOE Teacher Quality; Mrs. Donna Gurr, ASDOE Assistant DCI Director; Fr. Viane Etuale, Superintendent, Catholic Schools; and Mr. Robert Soliai, ASDOE — Assessment.

**CHAIRPERSON AND FACULTY:** Dr. Lina Galea'i-Scanlan, Chairperson; Dr. Larry Purcell, Mr. Filemoni Lauilefue, and Mr. Sonny Leomiti; Mr. Richard Park, Faculty.

### EDUCATION COURSE DESCRIPTIONS

#### ECE141 Curriculum I in Early Childhood Education (3)

This course introduces students to theories, methods, techniques and activities that promote learning through creative expression in children during their early childhood years. Content areas covered will include developmentally appropriate practice, learning environments, learning and interest centers, and the design and implementation of physical, cognitive, communicative and creative activities for the classroom. This course is designed for the ECE Program "Work to School Program" initiative. The course is designed to be taught bilingually.

#### ECE142 Curriculum II in Early Childhood Education (3)

This course is a continuation of ECE I; it will advance students to theories, methods, techniques and activities

which promote learning through creative expression in children during their early childhood years. Content areas include developmentally appropriate practice, learning and interest centers, and the design and implementation of physical, cognitive, communicative and creative activities in the classroom. This course is designed for ECE Program "Work to School Program" initiative. This course is designed to be taught bilingually.

#### ECE150 Introduction to Parenthood Education (3)

This course is designed to provide the students with a systematic approach to the study of parent-child relationships. This approach is based upon an understanding of developmental theory and is intended to aid individuals who work with parents and children as well as those who are, or will be parents. Course content emphasizes information rather than advice.

#### ECE151 Guiding and Nurturing Young Children (3)

This course is designed to equip the student with skills and techniques for the guidance, nurturing and direction of the behavior of young children. Such skills and techniques include understanding behaviors according to age, building positive self-concepts, and planning preventive action to deal with social problems such as disturbing others, fighting, biting and other classroom and school yard disturbances.

#### ECE152 Safety and Health for Young Children (3)

This is an introductory course to issues of safety and health as they relate to children from birth to age eight. It includes training in standard American Red Cross First Aid and Cardiopulmonary Resuscitation (CPR); a study of methods for establishing safety procedures for classroom, the playground, and field trips, and emphasis on the importance of establishing a healthy environment for the young child. Topics range from the importance of nutritional needs, the identification and handling of suspected child abuse, recognition of and procedures for dealing with childhood illnesses and communicable diseases.

#### ED 150 Introductions to Teaching (3)

This course is designed to introduce students to the fundamental theories and practices of teaching. Students will examine the components of effective organization and management of a classroom in order to ensure effective teaching. This course covers daily procedures, classroom management, planning and organization, cooperative learning, multiple



intelligence, critical thinking, and diverse populations within the classroom.

### **ED 157 Introductions to Elementary Curriculum and Instruction (3)**

This introductory course will bring together students to the fundamental elements to preparing and presenting effective classroom instruction. Students will examine the skills of designing lesson plans for their classroom and will demonstrate their ability by preparing a class presentation. Students will identify research that shows and demonstrates how children learn, how to keep their motivation, and how to prepare exciting and motivating activities in class. This course is designed to assist teachers in developing daily, weekly, and unit lesson plans for the elementary classrooms.

### **ED 160 Developments in Early Childhood Education (4)**

**Prerequisites:** ED150

This course is designed to acquaint students with the relationship between theory and practice in Early Childhood Education in order to increase competency of early childhood education in the classroom. This course will focus in on the child's cognitive, social, emotional, and physical needs and will provide the novice teacher with the appropriate strategies and knowledge for effective teaching in the pre- through third grade classroom.

### **ED 215 Introduction to Exceptional Children (3)**

**Prerequisites:** ED 150

This course investigates exceptionalities as defined according to federal educational guidelines, including visual impairment, hearing impairment, learning special needs, mental retardation, physically and health impaired, behaviorally disordered, communication disorders, and gifted. It is an introductory course that will familiarize students with various categories of special needs. This course is a prerequisite for other special education courses and serves to prepare elementary and early childhood majors who serve children with special needs in their classrooms. Students taking this course must have completed or be concurrently enrolled in PSY 250.

### **ED 240 Instructional Technologies (4)**

**Prerequisites:** ICT150

This course reviews information and communication technologies and how they are used in education. Course reviews and provides hands-on experiences with educational technologies; including, but not

limited to, computer systems and peripherals, computer operating systems, and application software (word processing, spreadsheets, presentation software, graphics software, and others); Internets resources and issues; video technologies; video teleconferencing and broadcast systems; on-line course management systems; and, testing systems. The course will also review the national and local goals, standards, and issues in the use of education technologies for students, teachers, and administrators. Students will be able to prepare on-line lesson plans for the elementary grade classrooms.

### **ED 257 Teaching Language Arts to Elementary School Teachers (3)**

**Prerequisites:** ED157, ENG150

This course stresses an understanding of the phases of language art development, especially in the areas of reading and writing, and particularly in the bilingual and bicultural classroom. It includes the selection and use of education approaches in the training process. This course is designed for students majoring in elementary and early childhood education as well as for teachers wishing to upgrade their professional skills. This course will teach teachers to children's literary learning ability, it will also make aware of the different children's reading materials available. Teachers will be experienced in composing their own big book story for children as well as to critique children's reading materials.

### **ED257P Observation, Participation and Practicum (1)**

**Prerequisites:** ED157, ENG150

ED257P will provide students the opportunity to observe model teachers, and library reading centers to gain an understanding of the requirements and demands of the classroom teacher. Students will be able to observe and reflect upon application of the content significance of ED257.

### **ED 280 Introduction to Bilingual Education (3)**

**Prerequisite:** ENG 150, ENG 151

This course is designed to introduce students to a research-based theoretical framework for the schooling of language minority students. In addition, this course will examine the underpinnings of primary language development, second language acquisition, and the relationship of both to normal school achievement. The course will explore instructional methods and techniques recommended for language minority students.



### **ED 285 Teaching Samoan Language and Culture (3)**

**Prerequisites:** *ENG 150, SAM 151*

This course offers a thorough study of the ASDOE K-12 Samoan Language curriculum, emphasizing mastery of sequencing of levels and scope. It will help students use the whole language approach to plan, implement and assess/evaluate the teaching of Samoan Language in their classrooms. It reviews theories of language acquisition introduced in other teacher education courses. The prescribed English language arts texts used as references are adapted to the teaching of Samoans.

### **ED 285P Teaching Samoan Language and Culture Practicum (1)**

**Pre-requisite:** *Concurrent with ED 285*

This practicum course is for students currently enrolled in ED 285, Teaching Samoan Language and Culture. The practicum portion will help students use the whole language approach to plan, implement, assess and evaluate the teaching of Samoan Language in the classroom. The course will review theories introduced in the lecture portion of ED 285. The prescribed English language arts texts will be used as references and will be adapted to the teaching of Samoan Language and culture.

## **ENGLISH LANGUAGE INSTITUTE**

### **ENGLISH LANGUAGE INSTITUTE MISSION STATEMENT**

The mission of the English Language Institute (ELI) Department is to help students with English deficiencies to improve their thinking, speaking, listening, reading and writing skills. Students reinforce these skills by engaging in community service. The ELI Department's developmental courses prepare students for higher education and real life experiences.

### **COMMUNITY ADVISORY COUNCIL:**

Mrs. Jocelyn Siologa, Mrs. Tui Peau, Teacher Quality Office, DOE; Mr. Jan Brugman, English Instructor, South Pacific Academy; Ms. Alison Hurst, Personal & Academic Counselor, ASCC

### **CHAIRPERSON AND FACULTY:**

Mrs. Elisapeta Faalafi-Jones, Chairperson; Ms. Florangel Calumpang, Mrs. Ethel Sokimi, Mr. Ben Goodwin, Mrs. Siamaua Ropeti, Mrs. Jean Mareko, Mr. Sesega Sivitia, and Mrs. Tamaalupe Vivao, Faculty.

### **ENGLISH LANGUAGE INSTITUTE COURSE DESCRIPTIONS**

#### **ENG 70 Beginning Reading (3)**

This is a preparatory English course that centers on building beginning college reading skills. Students will be able to develop knowledge by using context clues, recognizing main ideas, and understanding supporting details. Students are also introduced to short stories and simple novels.

#### **ENG 80 Intermediate Reading (3)**

**Prerequisite:** *ENG 70*

This is an intermediate English course that centers on building intermediate college reading skills. Students will be able to demonstrate knowledge in the following academic competencies: implied main ideas, making inferences, relationships, and purpose and tone. Students will be introduced to biographies and short novels.

#### **ENG 90 Advanced Reading (3)**

**Prerequisite:** *ENG 80*

This is a preparatory English course that centers on building advanced college reading skills. Students will be able to demonstrate knowledge in the following academic competencies: distinguishing facts from opinions, recognizing propaganda techniques, avoiding errors in reasoning, outlining and summarizing. Students will be introduced to classic novels and the elements of literature.

**Qualifying Placement or standardized test scores (ACT, SAT, etc.) are used for appropriate placement in reading and writing courses.**

#### **ENG 71 Beginning Writing (3)**

This beginning course in writing places emphasis on developing basic communication skills, such as



composing a variety of sentences to use in summaries, reactions, and paragraphs. Students develop a basic paragraph with a topic sentence, major and minor details, and a concluding sentence.

### **ENG 81 Intermediate Writing (3)**

**Prerequisite:** *ENG 71*

This intermediate course in writing places emphasis on communication skills to compose paragraphs and then to develop a basic essay. Students follow the steps of the writing process in developing a thesis statement in the introductory paragraph, the body of the essay, and a concluding paragraph.

### **ENG 91 Advanced Writing (3)**

**Prerequisite:** *ENG 81*

This advanced course in writing places emphasis on the development of a variety of essay genres. Students follow the steps of the writing process and read from a variety of texts in order to model and generate ideas for informative, well-structured essays with sound thesis statements and relevant and adequate support. Students are introduced to research techniques and are encouraged to think critically and avoid errors in reasoning.

## **FINE ARTS** **Art, Drama and Music**

### **FINE ARTS MISSION STATEMENT**

The Fine Arts Department provides educational services by offering courses that cultivate expression, emotion and creative writing. Exposure to an immersion in the Arts will enhance and enrich the study of all other academic disciplines. The department offers music, art, dance, speech and drama courses that can fulfill the Humanities requirements in an A.A. or A.S. degree. In addition, the programs for the Associate of Arts degree in Music or Art are designed for students who are planning to continue in a four-year college or university.

The department encourages students to engage in the arts that can enhance and enrich their studies in other academic disciplines. The department is also committed to educate and inspire students to create and perform while broadening their life experiences through diversity in learning.

### **COMMUNITY ADVISORY COUNCIL: HC**

Pulefaasisina Tuiasosopo, Arts and Culture Specialist; Reverend Iasepi Uli, CCCAS Fagatogo; Mr. James Kneubuhl, ASCC Public Relations Officer; Mrs. Leala Pili, Director of Arts Council; and Mr. Francis Lelehua, DOE Music Coordinator.

**CHAIRPERSON AND FACULTY:** Mr. Kuki Tuiasosopo, Chairperson; Mrs. Regina Meredith, faculty

### **ART, MUSIC, AND DRAMA COURSE DESCRIPTIONS**

#### **ART 150 Art History Survey I (3)**

**Prerequisite:** *ENG 150,*

ART 150 is a lecture course which focuses on the Art world created during the major historical periods in time from the Paleolithic to the Late Gothic periods. The course is a survey of artworks that help to define different civilizations during these periods and are presented in lecture with slides and selected films.

#### **ART 151 Art History Survey II (3)**

**Prerequisite:** *ENG 150,*

ART 151 is a lecture course which focuses on the Art world during the periods beginning with Proto-Renaissance and continues through Post-Modernism. Students are presented with some of the most influential artworks by artists who helped to pioneer in the art field and make a difference in the visual field that we are still indebted to them today. The lectures are presented with slides and select films.

#### **ART 160 Design Fundamentals (3)**

ART 160 is an introductory studio course which covers the rudiments of the elements and principles of art. Students are tested on the basic concepts of these rudiments and are required to create different works of art that exemplify them. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*





### **ART 161 Indigenous Art Forms (3)**

ART 161 is a studio course that introduces the art forms of Samoa and the Pacific. The art forms include woodcarving, Siapo (Bark Cloth Painting), weaving, pottery, and the tattoo. Local master craftsmen share in their expertise with students and an art project is required for each art form. Students are required to develop a book of notes that reflect the different art forms, and exhibit choice works in the annual art exhibition. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*

### **ART 165 Basic Photography (3)**

**Prerequisite:** ENG 150

ART 165 is a studio course which introduces the student to the world of photography using black and white film and digital capabilities. The handling of different cameras, darkroom procedures, and fieldwork are all covered in this course. Students are required to spend studio time to complete the requirements which include darkroom work, and developing a portfolio of prints that exemplify their endeavors. Students are required to showcase their works in the annual exhibition. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*

### **ART 170 Drawing I (3)**

ART 170 is a studio course that is based on various techniques and methods that strengthen the student's ability to draw with confidence. Students are expected to use an array of mediums that include pencil, pen, charcoal, and pastel. Emphasis is placed on eye-hand coordination and replicating highly realistic images that help to develop their skill. A total of six hours of study is required for this 3 credit course. A final portfolio of works is required as well as participation in the annual art exhibition. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*

### **ART 171 Drawing II (3)**

**Prerequisite:** ART 170

ART 171 is a studio course that focuses on strengthening the student's visual acuity by drawing from the figure. The study of the anatomy is emphasized and a model is available for study. Students are required to produce illusions of space and volume on a two-dimensional surface while creating figurative drawings. The student will be expected to present a final series of works and showcase in the annual exhibition. A total of six (6) hours of study is

required for this course. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*

### **ART 172 Painting I (3)**

**Prerequisite:** ART 170 or ART 160

ART 172 is a studio course that introduces the student to the world of painting using watercolor, acrylic, and mixed media. How to use the different mediums, prepare different surfaces, use different brushes, and achieve interesting effects are covered in this course. Students are required to compose a select number of paintings, study and research suggested masters, and compile a portfolio of works. Each student is also required to devote studio time to painting that covers required six (6) hours of this 3 credit course. The annual exhibition is mandatory. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*

### **ART 180 Ceramic Sculptures (3)**

**Prerequisite:** ART 160, ART 170

ART 180 is a studio course that introduces the student to the world of clay. Different methods of clay building are introduced as well as glazing and kiln firing. Students are expected to apply a total of six hours of study to the art form. *Note: 1.5 lecture credits, 1.5 studio credits for a total of 360 minutes per week.*

### **ART 299 Advanced Art Studies & Project (3)**

**Prerequisite:** ART 160 & ART 170

This course is designed exclusively for the advanced art student ready to create an independent body of works including scheduled critiques and possible exhibition.

### **DNC 150 Basic Dance Movements (3)**

This course introduces beginning dance concepts to students who may have little or no prior training. Emphasis is placed on body alignment and movement. Students will learn basic dance vocabulary, develop musicality and understand time, space, weight and energy as it relates to dance. Dance repertoire and style is drawn from western dances and indigenous dances. Additionally, this course serves as a foundation for stage movement, sports and physical training, and other advanced dance classes.

### **DRA 150 Introduction to Drama (3)**

A survey of theatre from the Greeks to the present. This course is designed to acquaint students with the various historical periods through lecture



demonstration and in class performance. Students who are interested in public performance may also enroll in DRA 151.

### **DRA 151 Drama Workshop (3)**

This course focuses on developing a public theatrical performance. Students will participate in all aspects of the playmaking process.

### **DRA 250 Acting One (3)**

*Prerequisite:* DRA 150

An intensive introduction to acting concentrating on character development and improvisation. Acting skills are learned through various exercises and scene study. The class also focuses on improving the voice, stage movement and characterization.

### **DRA 251 Introduction to Technical Theatre (3)**

*Prerequisite:* DRA 150

This course introduces the student to the basic principles of scene design and construction, lighting and sound. Specific attention will focus on script analysis as it relates to the design process.

### **MUS 150 Music Fundamentals (3)**

*(formerly MUS153)*

Music Fundamentals is designed to introduce basic concepts in the organization of music as an expressive medium. The primary focus of the course is to introduce students with little or no musical background to the notation of musical ideas both in reading and writing music. The elements of music including rhythm, melody, meter, pitch, form and expression will be explored through singing, playing classroom instruments, listening, and composition. The roles of the composer, performer, and listener are explored.

### **MUS 151 Music Theory I (3)**

*(formerly MUS150)*

*Prerequisite:* MUS 150

Materials and organization of music are examined. Emphasis is on reading music by recognizing, understanding and using all symbols of musical notation. Principles of ear training will be introduced to encourage music literacy, enabling students to read and perform music on sight. Students will also practice music dictation and group rhythmic exercises. Part-singing is introduced as well.

### **MUS 160 Music Literatures (3)**

This course offers a survey of the masterpieces of classical music in sound, including elements, style,

history and forms from 1300 to the present. Emphasis placed on appreciating and understanding music as art.

### **MUS 165 Music of the World (3)**

Students will engage in a comprehensive survey of the traditional and popular music of the world's cultures. Special emphasis placed on understanding the relationships among music, politics, religion and culture.

### **MUS 170 Concert Choir (1)**

A large singing organization open to all students, the choir will work on voice development and note reading and will perform music from various periods. Concert participation is required. May be repeated for a maximum of six (6) credits.

### **MUS 180 Band (1)**

This course is an opportunity for the student who already has proficiency on a band instrument to participate in a large performing group. Music from various style periods is performed with emphasis on note reading, tone development, and musicianship. Concert participation is required. May be repeated for a maximum of six (6) credits.

### **SPH 153 Introduction to Speech (3)**

The techniques of organizing and delivering a wide variety of speeches. Major course work, consists of reading about speech, wording, preparation and presentation of student speeches.

## **HEALTH AND HUMAN SERVICES**

### **HEALTH AND HUMAN SERVICES MISSION STATEMENT**

The mission of the Health and Human Services (HHS) Department is to support and prepare students who are interested in pursuing a career in the field of health or human services. Central to this mission is a commitment to provide students with a sound foundation and broad balance of knowledge and skills. Students who fulfill the requirements for an Associate of Science Degree in Health Science, Associate of Arts Degree with an emphasis in Human Services, or a Certificate of Proficiency in Guidance and Counseling are able to:



1. Continue studies in a specialized area in allied health or into a bachelor's degree program in health science, human services or related fields;
2. Obtain local employment as a medical support staff or a public health educator or enter into employment as a paraprofessional in the human services agencies;
3. Enhance occupational skills needed in professional growth and career development; and,
4. Apply knowledge and skills in health and human relations into their daily lives with an awareness and understanding of Samoa and Pacific Island cultures.

#### **COMMUNITY ADVISORY COUNCIL:**

Dr. Jean Asuega, Psy.D., Clinical Psychologist Mr. Tala Ueligitone, Chief Registered Respiratory Therapist; and Ms. Ipuniuecea Eliapo, Registered Occupational Therapist, ASG DOH Part C Program.

**CHAIRPERSON AND FACULTY:** Dr. Daniel Chang, Chairperson; Ms. Tafaimamao Tupuola, Faculty.

#### **HEALTH AND HUMAN SERVICES COURSE DESCRIPTIONS**

##### **ASL 150 American Sign Language I (4)**

This course will introduce the student to the expressive and receptive exposure and practices in American Sign Language (ASL), the preferred communication mode used by the American Deaf Community & Culture. The course will also address the cultural values and beliefs of this unique community.

##### **HEA 140 Introduction to Health Occupations (3)**

This course will provide the beginning student who is interested in health occupations with the basic entry-level knowledge and skills required for a variety of health careers.

##### **HEA 150 Introduction to Health Science (3)**

This course will provide knowledge about general health and health care services available to the individual. By presenting core concepts regarding scientifically based, accurate, up-to-date information to students about topics and issues concerning nutrition, weight control, contraception, exercise, intimate relationships, stress, AIDS, drugs, alcohol, and a multitude of other health issues.

##### **HEA 151 Medical Terminology (3)**

**Prerequisite:** HEA 150

Medical terminology introduces the student to a special vocabulary used by health-care professionals. This course will assist the student to learn certain methods that will enable them to remember familiar words and understand new ones. These methods involve breaking each word into component parts, learning the meaning of these parts, and recognizing them when they appear in different words.

##### **HEA 152 Standard First Aid and CPR (1)**

This course will provide the student with basic life support skills needed for adults and children during life threatening emergency situations. The student will participate and adequately demonstrate these emergency life support skills design to increase their knowledge and needed in order to receive an American Red Cross certificate in CPR and Basic First Aid.

##### **HEA 250 Introduction to Developmental Disabilities (3)**

**Prerequisite:** HEA 150 or HSV 150

This course will introduce students to historical attitudes, laws, and current definitions of developmental disability, recommended practices for care-givers, supporting families, and information about specific disabilities, including autism, cerebral palsy, spinal bifida, and others.

##### **HEA 299 Health Science Practicum/Work Experience (2)**

This course is a practicum/work experience with LBJ hospital in the areas of medical support services (e.g. laboratory, respiratory, physical therapy, x-ray technician, etc.); where the student will be placed according to their career interest. There will be supervised work, training, and shared experiences with weekly seminar discussion sessions. *This course must be taken during the last semester of the Health Science Program.*

##### **HSV 150 Introduction to Human Services (3)**

This course will provide the student with a general introduction to the field of human services and is designed for introductory college courses in human services, social work, community mental health, and other related program.



### **HSV 155 Introduction to Counseling and Guidance (3)**

This course provides an overview of the guidance and counseling profession through a presentation of the history and background of the basic theories of counseling and the foundation of counseling and guidance programs from traditional to current times. The course includes the role and function of the counselor in the schools, community and agency settings and various techniques, issues and trends of the counseling profession.

### **HSV 160 Psychological and Achievement Testing (3)**

This course is designed to acquaint students with the theory, ethics, practices, implementation and interpretation of psychological and achievement tests. The focus of the course is on the ways in which tests are constructed and standardized, validated and interpreted. A review of typical tests of ability, aptitude, achievement, personality and interests are included.

### **HSV 165 Career Development and Information Systems (3)**

This course provides a survey and analysis of career development throughout the lifespan, a review of current legislation in relation to the workforce, career programs and research methodology. Students are given the opportunities to explore career assessments and information services and resources available on-line and on-island. The focus is on building the awareness of skills necessary to facilitate career assessment and assistance in career decision-making and job seeking activities.

### **HSV 200 General Counseling I (3)**

**Prerequisites:** HSV 155, PSY 150

This course is designed to expand the understanding and counseling skills by examining guidance principles, concepts, values, and their application. Also, the course will be addressing the major impact cultural beliefs and values have on effectively helping others.

### **HSV 220 Multicultural Guidance and Counseling (3)**

**Prerequisites:** HSV 155, PSY 150

This course provides the student with an understanding of the philosophical and theoretical approaches to multicultural counseling and multicultural interactions. The course content

includes an awareness of multicultural issues, an understanding of multicultural education and skills to accommodate the needs of diverse populations.

### **HSV 250 Survey of Substance Abuse Problems (3)**

**Prerequisites:** HEA 150, PSY 150

This course is designed to increase people's understanding of substance use and abuse. The course includes historical and social perceptions of substances use, patterns and trends of use, societal and legal responses to drug and alcohol, description of psychoactive drugs in terms of effects and actions, new ways of considering the etiology, methods of prevention, intervention, and treatment.

### **HSV 299 Human Services Practicum/Work Experience (2)**

This course is a practicum/work experience with human services agencies in the areas of counseling, social work and human relations; where the student will be placed according to their career interest. There will be supervised work, training, and shared experiences with weekly seminar discussion sessions. *This course must be taken during the last semester of the Human Services Program.*

## **LANGUAGES AND LITERATURE**

### **LANGUAGES AND LITERATURE MISSION STATEMENT**

The Language and Literature Department offers intensive English writing courses aimed at developing and strengthening critical thinking and proficient college level writing for effective communication. The writing courses focus on extensive coverage of combining rhetorical strategies to help students become more skillful and flexible writers. The literature courses provide students with the opportunity to study various genres of writing, to examine and increase their perception of the writing of different cultures, to use critical and analytical thinking skills in the application of literature, and to strengthen their reading comprehension. The Foreign language courses offer students a firm foundation in the language for further study upon transfer to a university. The Language and Literature Department is designed to prepare students for transfer to a four-





year college or university or to be a successful and contributing member of the modern work force.

**COMMUNITY ADVISORY COUNCIL:** Mrs. Esther Illi, ASDOE Administrator; Mrs. Cheryl Morales, AS Feleti Barstow Librarian; Mr. Eti Saaga, ASG Cultural Advisor to Congressman/Poet; Mrs. Lupe Lohman, Radio Newscaster; and Mrs. Tilani Ilaoa, Women's Business Center/Community Member.

**CHAIRPERSON AND FACULTY:** Mrs. Melelina Fiaui, Chairperson, Solipo Shevon Matai, Mr. Vesi Matu'u and Mr. Poe Mageo; Faculty.

### LANGUAGES AND LITERATURE COURSE DESCRIPTIONS

#### ASL 150 American Sign Language (4)

This course will introduce the student to the expressive and receptive exposure and practices in American Sign Language (ASL), the preferred communication mode used by the American Deaf Community and Culture. The course will also address the cultural values and beliefs of this unique community. (Course may be transferable as a language requirement.)

#### ENG 150 Introduction to Literature (3)

This course will focus on the four major genres of literature (poetry, drama, prose fiction, and nonfiction), including film production, and contemporary Pacific literature. The course will also explore and interpret terms and concepts from a variety of literary works. Students will apply critical thinking in writing analytical exposition papers/essays, and will be required to write four critical analysis essays by applying Modern Language Association (MLA) format.

#### ENG 151 Freshman Composition (3)

This is an intensive and extensive introduction to college writing course that requires in-class and take-home writing assignments. This course is designed to help students recognize and critically evaluate important local and global issues affecting the population. Student will be required to write academic papers or essays and a research term-paper. American Psychological Association (APA) format is required.

#### ENG 250 Survey of Literature (3)

**Prerequisite:** ENG 150, ENG 151

This is a second year literature course designed for close reading and surveying in depth analysis of the

major genres of literature (poetry, drama, prose fiction, non-fiction), including film production, and contemporary Pacific literature. Students will write expository or argumentative essays by employing different methods of rhetorical strategies and demonstrate skills in critical thinking. Students are required to write critical analysis essays by applying MLA styles. *A grade of C or better in ENG 150, ENG 151 is required.*

#### ENG 251 Sophomore Composition (3)

**Prerequisite:** ENG 150, ENG 151

This is a second year composition course designed for advanced prose writing. Students will write lengthy expository or argumentative essays reflecting on varieties of local and global issues. Students are required to write critical analysis essays and a research term-paper applying Modern Language Association (MLA) or American Psychological Association (APA) format. *A grade of C or better in ENG 151 is required.*

#### LIT 270 World Literature (3)

**Prerequisite:** ENG 250

This course covers the survey of world literature, with emphasis on appreciation of cultural elements, form, and technique. Students examine themes and approaches to storytelling (ancient and modern), poetry, drama, and essay. The course introduces a wide range of significant and/or representative works, with special attention to related Samoan literary elements. *A grade of C or better is required in ENG 250.*

#### LIT 272 American Literature (3)

**Prerequisite:** ENG 250

This course is a survey of American Literature with an emphasis upon the historical elements in selected works by American authors from the Colonial American Era to the 21<sup>st</sup> Century. Students will follow the development of major themes in American Literature and examine and critique these themes in essays, fiction, poetry, drama and film, extensive readings, lectures, discussions. *A grade of C or better is required in ENG 250.*

**LIT 276 Pacific Literature (3)****Prerequisite:** *ENG 150*

This course is a survey of Pacific Literature with studies of selected Pacific and non-Pacific writers including those from American Samoa, Fiji, Hawaii, New Zealand, Samoa, Tonga, and others. Distinction is made between existing traditional literature and modern writing with western influence. *A grade of C or better in ENG 150 is required.*

## MATHEMATICS

### MATHEMATICS DEPARTMENT MISSION STATEMENT

The mission of the Mathematics Department is to provide quality education in various areas of mathematics to support certificate and degree programs. The department offers courses that promote critical thinking and logical reasoning while developing and strengthening problem solving skills. The Math department is committed to prepare all students who lack basic math skills by offering developmental courses in arithmetic and introductory algebra. In addition, the department also offers courses in vocational technical math, college algebra and trigonometry, statistics and calculus to ensure that ASCC students acquire the necessary mathematical foundation for entry into the work force or for transferring to four-year institutions.

**COMMUNITY ADVISORY COUNCIL:**

Mr. Varghese Varghese, DOE Math Specialist; Ms. Manuia Satele, Alumni/Accountant for ASTCA, and Ms. Anapogi Young, Alumni/Public Works Engineer.

**CHAIRPERSON AND FACULTY:** Mrs. Letupu T. Moananu, Chairperson; Mrs. Sinaitaaga J. Mose, Dr. Fredrick Wanjau, Mr. Laau Liufau, Mr. Tunufai Leiato, Mr. Marston Porter, Mr. Etuale Moe Masoe, and Mr. Anthony Felise, Faculty.

**MATHEMATICS COURSE DESCRIPTIONS**

**Qualifying Placement or standardized test scores (ACT, SAT, etc.) are used for appropriate placement in math courses.**

**MAT 80 Preparatory Math (4)**

A developmental mathematics course for those persons in need of advanced mathematical operations skills, geometry, beginning algebra skills, negative numbers, percent, ratio, proportion, measurements, fundamentals polynomial operations, exponent usage, solving simple equations, inequalities and simple word problems.

**MAT 90 Elementary Algebra (4)**  
*formerly Basic Algebra (3)*

The basics of Algebra which include the following: equations and inequalities, operations on polynomials, factoring, algebraic fractions, simple and quadratic equations, powers and roots, and systems of equations.

**MAT 150 Survey of Mathematics (3)**

Introduces students to logic, sets, number bases, history and philosophy of mathematics, metric system, geometry, equations, inequalities, and problem solving.

**MAT 151 Intermediate Algebra (3)**

Extends topics introduced in Elementary Algebra and prepares students for a College Algebra math course. Topics include sets and real numbers, equations and inequalities, linear equations and functions, polynomial functions, exponential and logarithmic functions. *Students with a grade of "C" or better in MAT250 cannot take this course as an elective.*

**MAT 155 Vocational Technical Mathematics (3)**

This course introduces students to sets, numeration systems and rational numbers. Topics in the real numbers include conversion methods. Basic algebraic equations, inequalities and problem solving and their application to vocational areas are presented. Brief review of geometry, consumer mathematics, and an introduction to basic trigonometric functions also included.

**MAT 250 College Algebra and Trigonometry (4)**

**Prerequisite:** *MAT 151 with a grade of "C" or better*  
Linear and quadratic equations and inequalities, functions and graphs, analytic trigonometry and functions, logarithmic and exponential functions, conic sections, sequences, and series. An introduction of analytical geometry is also presented. Designed for students wishing to go on four year college programs.

**MAT 260 Introduction to Statistics (3)**

A basic introduction to descriptive and inferential statistics. The emphasis is on applications and interpretation. Topics covered are graphical techniques, basic probability, confidence intervals, hypothesis testing, analysis of variance testing, and goodness of fit tests, regression and correlation.

**MAT 280 Calculus I (5)**

**Prerequisite:** MAT 250

A short review of functions is followed by an in depth study of limits. Continuous functions and limit theorems are presented. The derivatives including derivatives of composite functions, implicit differentiation and higher order derivatives.

Applications of the derivative include the following: maxima and minima, Rollers Theorem, increasing and decreasing functions, concavity, limits at infinity, infinite limits, applied extreme problems, and anti-derivatives. The properties of the definite integral and indefinite integral are explored. Applications of the integral include the following: area, volumes of revolution, volume by slicing, arch length, work, liquid pressure and the average value of a function.

**MAT 281 Calculus II (5)**

**Prerequisite:** MAT 280

Derivatives of trigonometric functions are presented with hyperbolic functions. Basic techniques of integration including integration by parts, partial fractions, trigonometric substitution, and numerical methods are explored. Topics include indeterminate forms, sequences and series, polar coordinates, parametric equations, and conic sections.

## NURSING

### NURSING DEPARTMENT MISSION STATEMENT

The Nursing Department prepares and perpetuates knowledgeable and caring nurses who are aware of and sensitive to the health needs of the diverse cultures, growing number of complex diseases and disorders, and to care for clients in a variety of health care settings.

The department offers programs that will qualify the graduate to take the National council for Licensure Examination (NCLEX) for the Licensed Practical Nurse (LPN), and Registered Nurse (RN) that will provide the foundation for an off-island Bachelor of Science in Nursing (BSN). Successful completion of these Registry Examinations enables the nurses to practice in the United States accredited hospitals and Public Health agencies within American Samoa, as well as other U.S. territories.

Upon completion of the requirements for a Certificate of Proficiency in Practical Nursing students will be able to:

1. Function as a member of the health care team under the supervision of the RN and/or MD/MO
2. Utilize skills and theory knowledge in providing basic, routine, and technical nursing care
3. Utilize the planning, implementation, and evaluation of the nursing process in providing nursing care
4. Demonstrate writing skills through written care plans and legal documentations
5. Demonstrates knowledge of medication administration in the care of clients
6. Develop an awareness of cultural and ethnic factors that influence clients' responses to illness
7. Identify teaching-learning principles in assisting the clients to become participative in their own care
8. Apply knowledge of legal standards and ethical concepts in the delivery of nursing care
9. Utilize critical thinking skills in the care of clients

### PROGRAM ADMISSION REQUIREMENTS

The Practical Nursing (PN) and Registered Nursing (ADN) Programs have special pre-requisites and admission requirements. Further information and application requirements can be obtained from the Nursing Department. Completed applications for the PN and RN programs are accepted from **April 1 to May 15** for Fall admission. Applicants are responsible for submitting official college transcripts directly to



the Registrar's and Admission Office from the college(s) attended. Each application will be reviewed prior to an interviewing process by the Nursing Program Advisory Committee. Notification of the scheduled interviewing date will be sent by mail (or by telephone for off-island applicants). Letters of acceptance or non-acceptance to the desired program will be sent one to two weeks after the interviewing date.

Students accepted to the program must submit the following:

1. Completed Physical Exam from Department of Health
2. Tuberculosis (TB) Clearance
3. Successful completion of pre-requisites courses required for PN and AND programs.  
(See advisor or Nursing Program Handbook)

#### **COMMUNITY ADVISORY COUNCIL:**

Toaga Seumalo, RN, ASHSRB Executive Secretary;  
Tele Hill, RN Department of Health; Tofiga Tufele,  
LPN, President, American Samoa Nurses Association;  
Dr. Daniel Chang, ASCC Health & Human Services  
Department; Emilia Lei, ASCC Dean of Student  
Services.

#### **CHAIRPERSON AND FACULTY:**

Lele Ah Mu, Chairperson; Ann Longnecker, Faculty.

#### **CERTIFICATE OF PROFICIENCY IN PRACTICAL NURSING**

This program is designed to prepare students with entry level competencies as Licensed Practical Nurses (LPN). Upon successful completion of the program, students are eligible to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN) and function as a member of the health care team under the supervision of a Registered Nurse and/or physician.

Special admission requirements for the Practical Nursing Program include:

1. Completion of all prerequisites with a grade of "C" or better
2. Grade point average (GPA) of 2.5 or higher
3. Acceptance into the program by the Nursing Program Advisory Committee

#### **ASSOCIATE OF SCIENCE DEGREE IN NURSING**

The program is designed to prepare students for entry level practice as registered nurses. Students are given theoretical instructions and an opportunity to demonstrate clinical application of nursing skills. The LPN transitioning to the ADN program or direct entry student without nursing experience are required to complete the General Education Requirements (GER) and pre and co-requisites listed for the ADN program. Furthermore, the ADN program is approved by the American Samoa Health Services Regulatory Board that grants the graduate eligibility to take the National Council Licensure Examination (NCLEX-RN) for the Registered Nurse. The licensed graduate are prepared to fill positions as Registered Nurse (RN) in hospitals, public health, industrial areas, and private clinics, and are eligible to apply for the Bachelor of Science in Nursing (BSN) programs off-island and online.

Special admission requirements for the Associate of Science Degree in Nursing (ADN) program are based on the following:

1. Successful completion of General Education Requirement and program pre-requisites with a grade of "C" or better recommend to list the pre-reqs in place of parenthesis.
2. Grade point average (GPA) of 2.5 or higher. Acceptance into the program by the Nursing Program Advisory Council.

#### **NURSING COURSE DESCRIPTIONS**

##### **NUR 150 Fundamentals of Nursing (7)**

The beginning nursing course explores the basic concepts and skills relevant to nursing practice. Emphasis is on knowledge and application of the nursing process in approaching patient care situations in the acute care settings under supervision of the faculty. *This course is taken concurrently with NUR155.*

##### **NUR 155 Nursing Perspectives (2)**

This course discusses the evolution of nursing as a profession, the role of the practical nurse, the health care system, legal and ethical concepts in nursing, and nursing opportunities. *This course is taken concurrently with NUR 150. 2 hours of lecture per week.*



**NUR 180 Introduction to Adult Health (16)****Prerequisites:** NUR 150, NUR 155

This course focuses on the use of the nursing process in applying theory and skills in the care of patients who have medical and surgical disorders in long term and acute care setting, including administration of medication under the supervision of the faculty. Mental health concepts will also be utilized while caring for patients in these settings. The course is offered during the Spring semester:

**NUR 190 Family/Child Nursing (8)****Prerequisite:** NUR 180

The course focuses on the practical nurse's use of the nursing process to apply nursing theory and skills to assist childbearing families, newborns, pediatric clients and their families from varied cultural backgrounds. Knowledge is applied in patient care situations in obstetrical and acute pediatric care setting, including administration of medications under the supervision of the faculty.

**NUR 203 Maternal-Newborn Nursing (6)****Prerequisites:** NUR 206, NUR 207

This course introduces concepts related to the childbearing experience and the maternal roles are explored. Nursing theory and skills are applied in the care of mothers and newborn in the obstetrical setting, including administration of medications under supervision of the faculty. *NUR 204 must be taken the first 8 weeks of the semester. 8 hours of lecture, 12 hours of laboratory work per week.*

**NUR 204 Nursing of Children (6)****Prerequisites:** NUR 206 & NUR 207

Nursing of Children focuses on the application of the nursing process in caring for children with medical and surgical disorders in acute care settings, including administration of medication under surgical disorders in acute care settings, including administration of medication under supervision of faculty. Concepts related to the environment, immunization, safety, parent-child interaction will be explored. *NUR 203 must be taken the last 8 weeks of the semester. 8 hours lecture, 12 hours of clinical laboratory per week.*

**NUR 205 Adult Health I (7)**

Adult Health I reviews the nursing process, basic nursing concepts, and nursing skills. The course

focuses on the use of the nursing process in providing care for the clients with moderately severe health care alterations in psycho-social, metabolic, circulatory, immunologic and respiratory functioning. This course is offered for the last 8 weeks of the semester: *4 hours of lecture and 8.4 hours of clinical laboratory per week.*

**NUR 206 Issues and Trends in Nursing (2)****Prerequisites:** NUR 200, NUR 205

This course entails the study of nursing trends, past, present and future, as they relate to society to understand the nurse's professional and legal role in influencing health policies and practices. Issues and Trends in Nursing focuses on the three roles of the nurse, legal and ethical responsibilities, and transition from student to professional as the student becomes responsible and accountable for practice as a registered nurse. *NUR 207 must be taken concurrently. 2 hours of lecture per week.*

**NUR 207 Adult Health II (7)****Prerequisites:** NUR 200, NUR 205

Emphasis is on utilizing the nursing process to assist clients requiring moderate adaptation to meet alterations in elimination, metabolic, mobility, body integrity, neurosensory and reproductive functioning. *NUR 206 must be taken concurrently. 3 hours of lecture per week, 9 hours of clinical laboratory per week.*

**NUR 208 Mental Health/Psychiatric Nursing I (6)****Prerequisites:** NUR 203, NUR 204

This course focuses on the nursing process to meet the psychosocial needs of a culturally diverse population across the lifespan. Psychosocial needs include safety, love and belonging, esteem and recognition, and self-actualization-aesthetic needs. Emphasis is placed on self-awareness; the health illness continuum, therapeutic relationship with the client in the mental health system. *NUR 211 must be taken concurrently. 4 hours of lecture, and 6 hours of clinical laboratory per week.*

**NUR 211 Community Health Nursing (6)****Prerequisites:** NUR 203, NUR 204

This course focuses on exploration and application of concepts in providing comprehensive nursing care to



clients, families, and the community. Emphasis is on the role of Public Health Nurses in the prevention of disease and maintenance of optimum health for clients of all ages. *NUR 208 must be taken concurrently. 4 hours of lecture per week, 6 hours of clinical laboratory per week.*

**PHM 150 Introduction to Pharmacology (3)**  
(formerly General Pharmacology)

**Prerequisites:** BIO 181, MAT 155

This course focuses on knowledge of the mechanism of action, toxicity, and nursing and other therapeutic uses and implications of the major categories of drugs. Knowledge is applied to patient care situations in which drugs are used in the maintenance of health and treatment and prevention of illness.

**PHM 200 General Pharmacology (4)**

**Prerequisite:** BIO 251

This course focuses on the basic principles involved in drug therapy. Drugs will be approached in terms of their mechanisms of action and drug effects, indications, contraindications, side effects and adverse effects, toxicity and management of overdose, interactions, dosages, idiosyncrasies, toxicities, and clinical applications. The effect of drugs on the various bodily systems will be explored.



## PHYSICAL EDUCATION

### PHYSICAL EDUCATION MISSION STATEMENT

The Physical Education (PED) Department's mission is to provide experiences that guide students in the process of becoming physically active for a life time. The department offers courses that fulfill the requirements for Associate of Arts and Associate of Science degrees. The department actively pursues athletic scholarships for those interested in continuing participation abroad and also provides continuous training for those athletes who intend to pursue athletic participation.

**COMMUNITY ADVISORY COUNCIL:** Clayton Mahuka, DOE Sports Coordinator; Samoa Samoa, Nuuli VocTech High School; Arona Samoa, Leone High School; and Sila Samuelu, Samoana High School.

**CHAIRPERSON AND FACULTY:** Mr. Ed Imo, Chairperson/Faculty.

### PHYSICAL EDUCATION COURSE DESCRIPTIONS

**PED 150 Basketball (1)**

This course will provide the student with the basic skills of basketball such as shooting, passing, rebounding, defending and knowledge of the rules to play at the novice level.

**PED 151 Weight Training (1)**

Basic health practices with emphasis on developing muscle strength, endurance, and physical fitness will be covered in this course.

**PED 152 Beginning Aerobics (1)**

This course will be focused on improving cardiovascular fitness through a variety of high, medium and low intensity aerobic exercises. This course will develop strength, endurance, flexibility and coordinating low, moderate and high impact bending, jumping, reaching and kicking.

**PED 153 Beginning Tae Kwon Do (1)***(formerly Beginning Hap Ki Do and Tae Kwon Do)*

This course will teach theoretical and practical aspects of the martial arts of “self-defense” using ancient Korean arts of the Tae Kwon Do.

**PED 154 Golf (1)**

This course is for the student with no previous golf experience. Basic fundamentals of golf including the rules, etiquette, and terminology will be covered. Field work experience will be required. Fees at the local golf course will be paid by the student.

**PED 155 Volleyball (1)**

The basic skills of volleyball such as passing, setting, spiking, serving, teamwork, strategies and rules will be emphasized.

**PED 156 Introduction to Tennis (1)**

The course is for beginning tennis enthusiast. Singles and doubles competition will be emphasized. Skills such as forehand and backhand strokes, volley, service, basic strategy, footwork, and etiquette will be stressed.

**PED 170/ MSC 110 Swimming (1)**

This course focuses on teaching the basic swimming strokes: western crawl, back stroke, side stroke, breast stroke and the butterfly.



## SAMOAN STUDIES

### SAMOAN STUDIES DEPARTMENT MISSION STATEMENT

The Samoan Studies Department (SSD) prepares students to be knowledgeable and skillful in the Samoan culture. Furthermore, the Samoan Studies Department offers an Associate of Arts degree with an emphasis in Samoan Studies.

**MANULAUTI**

E saunia e le Matagaluega o Aoaoga ma Suesuega Samoa tagata aooga ina ia atamamai ma faatufugaina i le aganuu Samoa. E le gata i lena, e ofo atu e le Matagaluega a le Ofisa o Aoaoga ma Suesuega Samoa se tikeri A.A e faatau ai Mataupu Samoa.

**COMMUNITY ADVISORY COUNCIL / KOMITI**

**FAUFAUTUA:** Rev. Afalupetua Utai, Representative of CCCAS Church; Rev. Samuelu Areta, Representative of Methodist Church; Afioga Fuimaono Tone Tamalii, Community representative; David Mageo, KVZK TV representative; Ms. La Poasa, 93-KHJ Radio Station representative; Mrs. Faleupolu Mariota, Representative for teachers of DOE.

**FACULTY/FAIAOGA:** HTC Telei'ai C. Ausage, Chairperson; Mrs. Alofa Nuusila, Mrs. Tamari Mulitalo-Cheung, Mr. Evile Faatauao Feleti, Ms. Lucille Achica, and Dr. David Addison; Faculty.

### SAMOAN STUDIES COURSE DESCRIPTIONS FAAMATALAINA O MATAUPU TAU SAMOA

#### **SAM 101A Conversational Samoan 1 (3)** *(formerly SAM 101)*

**Talanoaga Faasamoa 1 (3)**

This is a conversational Samoan Language course at the elementary level. The focus is on enunciation, vocabulary building, and the correct use of words in directed fundamental dialoguing, which should transit to more student-generated conversation. Upon completion, students should become comfortably fluent that they would want to continue with further training in SAM 101B or SAM 111 at ASCC, or





learning on their own. *This course is intended for non-speakers of the Samoan Language.*

E mafuli le tele o felafolafola'iga i le faatautaiga o talanoaga Faasamoa ma e ta'ua lenei mataupu o le vasega muamua. E a'oa'o le faaleoga sa'o o upu, fauga o upu, o le faaaogaga sa'o o upu i totonu o se talanoaga ma i'u ai ina agavaa le tagata e faaoga le gagana Samoa e feso'ota'i ai. O le a faaosofia le lagona fialia i le tagata a'oga e fia a'oa'o pea le gagana Samoa ma faaauau atu ai i le isi vasega e ta'ua o le SAM 101B po o le SAM 111 i le Kolisi Tuufatasi o Amerika Samoa, po o le faia fo'i o ni ana ia sailiiliga. O lenei vasega e mo tagata e le ilo Faasamoa.

### **SAM 101B Conversational Samoan 2 (3)** **Talanoaga Faasamoa 2 (3)**

This is a conversational Samoan Language course for students who are able to speak limited Samoan, and wishing to transit into writing dialogues, messages, verses, nursery rhymes, and simple directions. The focus will be on structure of basic Samoan sentences.

O lenei mataupu o Talanoaga Faasamoa e mo tagata aoga ua tau iloa faaoga le gagana Samoa, ma ua iai fo'i le naunauta'iga e amata ona tusitusi, tauloto, ma faatino faatonuga faigofie. O le faamoemoe o lenei vasega e a'ia'e ai le kalama o le fuaiupu Samoa.

### **SAM 111 Introduction to the Samoan Language (3)** **(formerly SAM 162 Samoan Language Culture)**

#### **Faamasaniga i le Gagana Samoa (3)**

This is an introductory course in Samoan writing and speaking, grammar and usage of contemporary and commonly used respectful Samoan phrases. *Students enrolled are recommended to write and speak fluent Samoan.*

O lenei mataupu amata i le gagana Samoa e a'oa'o ai tusitusiga ma tautalaga, faaogaga o le kalama ma le gagana faaonaponei ma le gagana faaaloalo masani. *E fautuaina tagata aoga e tusitusi ma tautatala manino i le gagana Samoa.*

### **SAM 151 Freshman Samoan (3)** **(formerly Samoan I)**

#### **Gagana Samoa Tausaga Muamua (3)**

This is an intensive course in formal Samoan speaking and writing. Students are required to write narrative, descriptive, expository and persuasive compositions. The speaking aspect closely follows writing during the laboratory periods. Critical thinking, effective speaking and reading with a purpose will also be stressed.

O lenei mataupu e faataunuu ai a'oa'oga ua tuutuu i le loloto o le gagana tautala ma le tusitusi. E tataui tagata aoga ona tusia ni tala i se mea na tupu, faamatalaga auiliili o se mea, vailiiliga o itu uma o se mataupu ma le faaogaga o le gagana faatosina. E mulimulita'i le gagana tautala i le gagana tusitusi i le taimi o faatinoga a lea mataupu. E faamalositia le faaogaga o mafaufauga ua ua'i loloto, e o'o fo'i i le tautala aloa'ia ma le faitau malamalama.

### **SAM151L Freshman Samoan Laboratory (1)**

**Prerequisite:** *Concurrently enrolled in SAM151*

**Mataupu Ulufale:** *O lo o tauaveina le SAM 151.*

The students will undergo drills, with the aid of video cameras and other equipment to develop critical thinking, read with a purpose, and write in the style that targeted readers would understand and appreciate. They will visit selected cultural activities to observe orators and review/write analytically.

O le a fa'ata'ita'i e tagata aoga le faiga o galuega faatino, e faaoga ai mea pu'eata ma isi masini e atiae ai mafaufauga ua'i loloto, faitau malamalama, ma tusitusi i se gagana e mafai ona malamalama ma fialia i ai se 'au faitau. E mātā'itū le faatinoga o faalavelave Faasamoa ma matau le faiga o le lauga a tulafale ma iloilo/tusitusi auiliili.

### **SAM 152 Introduction Samoan Culture (3)** **Faamasaniga i Aganuu Samoa (3)**

This is an introductory course to Samoan culture. Students will discuss, and analyze cultural aspects of the faasamoa such as, appropriate language, appropriate behavior in varying spatial contexts. The concepts of extended families and their functions, land tenure and peopling of Samoa. Students will be expected to express opinions on Samoan society.

O le mataupu faamasani lenei i le aganuu Samoa. O le a lauliliu, ma iloilo e tagata aoga nisi o tu





faasamoa e pei o, gagana talafeagai, amio talafeagai i ituaiga saofa'iga eseese i totonu o se nuu. E a'oa'o ai konesepi tau le aiga potopoto ma o latou aogā, fanua ma lona faasoaga ma le 'aināina o motu o Samoa. E tataui i tagata aoga ona faaali manatu e faatatau i saofa'iga eseese a Samoa.

**SAM 154 Introduction to Samoan Literature (3)**  
**Faamasaniga i Tala Faamauiina a Samoa (3)**

This course is required for an Associate of Arts Degree in Samoan Studies. Students will be able to review ancient Samoan literature and history through historical oral recitations of "solo" that are manifested in everyday life: the 'ava ceremony, traditional speeches (lauga), marriage (tini), chants and meditation (tapuaiga). Students will be introduced to other popular forms of history, songs, myths, legends, fagogo, humor (faleaitu), and contemporary stories. Students will study the impact of the Bible on Samoan literature.

O le tasi lena mataupu faamalosiā mo le tikeri AA i le gagana ma aganuu Samoa. I lena mataupu o le a mafai e tagata aoga ona iloilo tala o le vavau ma le tala faasolopito e ala atu i ana solo o aso fa'i soo: ava, lauga, tini, tapuaiga. O le a faamasani fo'i tagata aoga i isi ituaiga tala faasolopito, pese, tala o le vavau, fagogo, faleaitu ma tala faaonaponei. O le a su'esu'e tagata aoga i le aafiaga o gagana faamauiina a Samoa i le Tusi Paia.

**SAM 172 Samoan Traditional Political Organization (3)**  
**Faigamalo faasamoa (3)**

This is an analytical survey of Samoa's traditional political system: its organization, operation, the changes that took place over the years, and the influence of the missionaries and Western political systems.

O le mataupu lena e iloilo ai upufai o malo a Samoa: i lona faatulagaga, faagaoioiga ma suiga i tausaga na tauasa mai ai, ma le aafiaga ona o misionare ma faatulagaga o malo mai fafo.

**SAM 204 Samoan Mythology (3)**  
**Tala o le Vavau a Samoa (3)**

*Prerequisite: SAM 111*

*Mataupu Ulufale: SAM 111*

Students will survey Samoan myths and legends as a genre of literature, be introduced to theory on mythology, study the literary elements in indigenous myths, acquire a view of the commonalities among Polynesian myths, typology, and archetypes, and think critically and analytically of Samoan mythology and its dynamics.

O le mataupu lena e faatatau i tala o le vavau a Samoa ma o le a faamasani ai tagata aoga i tala tuu ma tala o le vavau i lona sionalei faamaumau. O le a sailiili e tagata aoga tala o le vavau i lalo o faatufugaga po o le sionalei tau fatuga, faamasani i pitofilo tau tala o le vavau, a'oa'o elemeni o tala o le vavau a tagatanuu muamua, a'oa'o mai ni tala e tutusa ai le atu Polenisia, i ni ona ituaiga ma mamanu taatele, atoa ai ma le māta'itū ma le iloilo toto'a o tala o le vavau a Samoa i ni ona tafa eseese.

**SAM 244 Theatrical Arts (Faleaitu) (3)**  
*Prerequisite: SAM 111*

*Mataupu Ulufale: SAM 111*

This course is a study of Samoa's existing "faleaitu" as a genre of Samoan Literature. Students will be able to think analytically and critically of Samoan humor in entertainment, the indigenous theatrical presentation of "faleaitu," and the use of "faleaitu" as voice of the common people. Satire, irony, ridicule and comical character sketches are studied.

O le mataupu lena e aoaoina ai faleaitu faaleatunuu i lona faatufugaga faafatuga moni a Samoa. O le a mafai ona iloilo ma faitio e tagata aoga suaga i taimi o faafiatiaga faasamoa, le faatinoga e tagatanuu o lena faatufugaga o faiva, ma le faaaogaga o le faleaitu e tauala atu ai se feau mai tagata lautele. E aoaoina ai foi le faaaogaga o le tausuauiā e tauala atu ai faitioga i ni lape o tagatanuu, faamatalaga tuufaafegai, taufaifai ma le taufa'a'ata.



**SAM 251 Sophomore Samoan Composition (3)**  
*(formerly SAM 152 Samoan II)*  
**Gagana Samoa mo Tausaga Lua (3)**

**Prerequisite:** SAM 151

**Mataupu Ulufale:** SAM 151

This is a second year course in research methods with emphasis on Samoan composition. The student will conduct a research of Samoan Studies topics using Modern Language Association approved research methodology. Focus will be on published materials on Samoan Studies in any field of choice.

O le mataupu o le tausaga lua leni i metotia tau Suesuega e faapitoaugafa i tusiga Faasamoa. O le a faatino e le tagata aoga se suesuega i mataupu tau Samoa e faaoga ai le faatulagaga taualoa o le Asosi o Gagana Faaonaponei (Modern Language Association e limata'ita'ina ai sailiiliga. O le a faatau lomiga e faataata i mataupu Samoa, i soo se matata.

**SAM 261 Samoan Oratory (3)**  
**Gagana Faafailauga Samoa (3)**

**Prerequisite:** SAM 152

**Mataupu Ulufale:** SAM 152

This course introduces students to techniques of organizing and delivering speeches in various cultural settings. Major course work consists of discussing oratorical language and its application to the different cultural occasions, speech content, and of performing this art of Samoa.

O le mataupu leni e faamasani ai tagata aoga i alafua e faatulaga ma momoli ai lauga i soo se ituaiga saofaiga faaleaganuu. O le tele o le galuega faatino e aofia ai le iloilogia o le gagana faafailauga ma lona faaogaga i faalavelave ma mataupu tau le aganuu, iloilogia o le anofale o le lauga atoa ai ma le faatinoga o leni faatufugaga faaatasi a le atunuu.

**SAM 271 Samoan Creative Writing (3)**  
**Fatuga po o Tusiga Tala Faasamoa (3)**

**Prerequisite:** SAM 151

**Mataupu Ulufale:** SAM 151

This is a course to creative writing via "Solo", satire, humor and short stories told with a Samoan flair. Narrative, descriptive, expository and persuasive forms are also taught.

O se mataupu leni tau tusigā tala fatu e ala atu i solo, tusiga e faaoga ai le tausuauiḡā e tauala atu ai faitioga

i ni lape o tagatanuu, tala taufa'a'ata atoa ai ma tala e tusia i le agaga Faasamoa. E a'oa'oina ai foi tusiga o mea tutupu i olaga o tagata, tusiga e faamatala ai foliga mai o se mea, tusiga e faailoa ma iloilo ai se mataupu ma le ituaiga tusitusiga faatauana pe faatosina.

**SAM 281 Translation (3)**  
**Faaliliuga Faasamoa (3)**

**Prerequisite:** SAM 151

**Mataupu Ulufale:** SAM 151

This course introduces students to the general rules and skills of translation and interpretation; i.e., translating English words without Samoan equivalents. Students study and analyze translations in local papers and visit the courts to observe and critique court interpreters.

O le mataupu leni e faamasani ai tagata aoga i tulafono lautele ma agavaa tau faaliliuga ma faauigaga, e pei o le faaliliuga o upu Peretania i upu Samoa. E aoaoina ma iloilo foi e tagata aoga faaliliuga i nusipepa i le lotoifale ma asiasi atu i le faamasinoga e māta'itū ma auiliili le galuega faaliliu a tagata faaliliu i lea matātā.

**SAM 291 Journalism in Samoan (3)**  
*(formerly SAM 211)*  
**Tusitusiga a le au faasalalau i le Gagana Samoa (3)**

**Prerequisite:** SAM 151

**Mataupu Ulufale:** SAM 151

This course introduces students to methods of gathering, writing and disseminating news, and other types of pertinent information through the media—printed or aired. Students study freedom of speech, censorship, and libel laws.

O le mataupu leni e faamasani ai tagata aoga i metotia o le aoina, tusiga ma le faasalalauina o talafou, ma isi faamatalaga i ala eseese o faasalalauga – e ala i le lolomi po o le faasalalauina i le 'ea. O le a a'oa'oina e tagata aoga saolotoga i le gagana, tapulaa o faamatalaga ma tulafono i le ta'uleagaina o se tagata.



## SCIENCE

### MISSION STATEMENT

The mission of the Science department is to provide educational services, research, and outreach programs in the broad areas of basic sciences and the associate of arts degree in Marine Science. The department is committed to a strong science program that deals with the latest technologies, environmental issues and life sustainability.

### COMMUNITY ADVISORY COUNCIL:

Dr. Leoleoga E. Leituala, Veterinarian, DOA; Ms. SolinTuaumu, Coastal Zone Management, DOC; Mr. Enesi Enesi, DOE; Dr. Annie Fuavai, LBJ; Mrs. Marilyn P. Anesi, Family Planning, DOH.

**CHAIRPERSON AND FACULTY:** Dr. Kenneth Bell, faculty; Dr. Randel Dewees, faculty; Mrs. Kelley Anderson – Tagarino, faculty.

### SCIENCE COURSE DESCRIPTIONS

#### BIO 150 Introduction to Biological Science (4)

This course studies the nature of science and scientific inquiry and the historical development of biological concepts and principles. This course requires laboratory experiments and projects illustrate and emphasize the use of biological principles. This course is not available to students with a "C" grade or better in BIO180 or BIO 181.

#### BIO 155 Ecology (4)

(formerly ECO 150)

This course focuses on close studies of inter-relationships of living things and their total environment, and it is used to promote awareness of the need for efforts in natural resource conservation, pollution control and a clean, healthy environment. Laboratory experiments are coordinated with the lectures and emphasize proper laboratory procedures.

#### BIO 180 Biology I (4)

**Prerequisites:** ENG 150

Introductory biology course for all life science, pre-medical, pre-veterinarian, and health science majors.

Study of cell structure and function, chemistry, growth, reproduction, genetics evolution, viruses, prokaryotes, protists and fungi. Laboratory experiments are coordinated with the lectures and emphasize proper laboratory procedures.

#### BIO 181 Biology II (4)

**Prerequisite:** BIO 180 not to be taken concurrently with BIO 250

Continuation of BIO 180. Study of the systems of plants and animals, their anatomy and physiology with emphasis on the human organism. Interactions of animal and plant populations and the environment are also studied in the course. Laboratory experiments are coordinated with the lectures and emphasize proper laboratory procedures.

#### BIO 250 Anatomy and Physiology I (4)

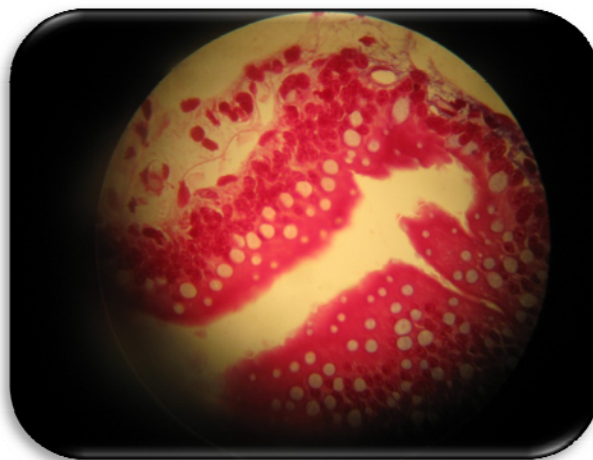
**Prerequisite:** BIO 181

Anatomy and Physiology I is the first of a two-semester course that studies the structure and function of the human body, including a study of its gross anatomy, micro anatomy, physiology, pathology, and pathophysiology. The laboratory sessions include exercises in basic human physiology, detailed description of various organ systems observed through dissection activities.

#### BIO 251 Anatomy and Physiology II (4)

**Prerequisite:** BIO 250

This course is a second semester continuation of BIO 250, with intense studies of the structure and function of the human body including gross anatomy, micro anatomy, pathology and pathophysiology. Laboratory session includes exercise on the gross and microscopic anatomy of the human body with special emphasis on the skeleton, muscles, heart, blood vessels, and enzyme actions.



**BIO 255 Microbiology (4)****Prerequisite:** BIO 180

This course is a description of the characteristics of micro-organisms and their habitats. Microbiology deals with micro-organisms in health and disease; their removal and destruction; infection and immunity; and disease caused by micro-organisms and how they are transmitted. Laboratory experiments are included in the course.

**CHM 150 Chemistry I (4)****Prerequisites:** ENG 150, MAT 151

This course covers the basic principles of chemistry. It is an introduction to chemical and physical changes, atomic structure, orbital, chemical bonding, chemical equations, phase changes and ideal gas laws and applications. The laboratory experiments will introduce techniques and basic principles of chemistry. Computer simulation on the atomic particles location, the experiments that show color change, formation of bubbles, precipitation, and the sort. This course entails computer based experiments using logerpro.

**CHM 151 Chemistry II (4)****Prerequisite:** CHM 150

Chemistry II is the continuation of Chemistry I, which introduces chemical energy and kinetics, thermo chemistry, equilibrium, ionic solutions, oxidation-reduction processes, carbon compounds-organic chemistry, polymers and plastics. Laboratory experiments introduce techniques and basic principles of chemistry, titration, acids and bases, computer based experiments using logerpro.

**MSC 100 MOP Seminar (1)**

This seminar will provide an overview of Territorial ocean issues and help prepare the student for his/her career. Weekly seminars will be conducted by professionals involved with marine activities, management, education, research and business. Guest speakers will present information on his/her career and its application to American Samoa. Students will explore MOP goals and learn to write professional documents such as resumes, proposals and reports in preparation for conducting a MOP skill project. They will also learn to match internships and research projects with their education and career goals. This course is required to earn a Certificate of Proficiency in the Marine Option Program.

**MSC 110/ PED 170 Swimming (1)**

A mandatory class for students taking SCUBA and attempting any strenuous swimming in other Marine Science classes. Swimming is designed to provide a basic safe background in the ocean environment. Basic swimming strokes will be taught in a shallow water setting. Survival skills will be taught so that in the event of an at sea emergency, all students will be able to deal with emergency situations.

**MSC 150 Introduction to Oceanography (4)**

This course provides an introduction to oceanographic phenomena. The interrelationships between physical, chemical, geological and biological oceanography are discussed at length. Air-sea interactions and their global implications are examined. Field trips may involve open-ocean studies. Saturday field trips required.

**MSC 155 Environmental Geology (4)**

This course covers the application of geology to all interactions between humans and the earth. It is intended as an introductory Geology course specifically designed for Marine Science majors, and all students who would like to be introduced to the basics of geology in the context of real environmental issues.

**MSC 157 South Pacific Geology (3)****Prerequisite:** MSC 155

An introductory course in the study of the Pacific Islands and their evolution through geologic time. This course covers the processes and products of island formation, volcanoes, coastal morphology,





ocean currents, sea-level effects through time, and local plate tectonics and their effects on the Fijian Archipelago and the Tongan Trench. Focus is given to the catastrophic formation of the Samoan Islands.

### **MSC 160 Natural Marine Resources (3)**

This course is an introductory Marine Science class designed to familiarize students with the potential resources of the sea. Special attention is given to South Pacific issues and organisms. The course will encourage environmental practices and discuss existent methods of harvesting and culturing organisms, ethics and regional impacts. Students will be asked to design their own projects or redesign one in which they have interest by making use of resources in American Samoa. \* This may also count as a SAMPAC course.

### **MSC 170 Introduction to Marine Biology (4)**

An in-depth investigation of the various marine ecosystems such as sand, mud, and rocky intertidal areas, salt marshes, estuaries, coral reefs, and mangrove forests; also the neritic, pelagic, and benthic regions of the open ocean. Includes the numerous interactions between biotic and abiotic factors. Adaptations of life forms for survival in these environments will be discussed. Also, includes laboratory exercises and field trips to the coast. Laboratory exercises and field trips will be an integral part of the course.

### **MSC 197/AGR 197 Polynesian Culture and Natural Resources Learning Project (3)**

*Prerequisite:* A 4-credit Biology course

This course is designed to provide the necessary background information for participation in a service learning program. The course studies the natural resources of American Samoa and their relationship to cultural usage. Students enrolled in this course will be provided with a list of information and topics and given the opportunity to explore and conduct further research. They will also learn about the resources and cultures of other countries and make comparisons to America Samoa.

### **MSC 200 Introduction to Aquaculture (3)**

MSC 200 is an introductory level course that covers the scope and role of aquaculture for increasing food production of aquatic organisms. The biological

principles of aquaculture, including species selection, hatchery breeding and rearing and grow-out practices will be covered, including the status of the aquaculture industry in American Samoa.

### **MSC 201 MOP Skill Project (1)**

*Prerequisites:* MSC 100

Students will formulate a marine related project approved by his/her MOP Coordinator(s). This project will train students in the trades and life skills needed to be successful in pursuit of a career in marine science. Topics have ranged from scientific research to endeavors in the arts. MOP students are encouraged to coordinate their projects with the efforts of local agencies, businesses, educators, or communities. They will have the opportunity to present their skills project at the annual MOP Student Symposium. This course is required to earn a Certificate of Proficiency in the Marine Option Program.

### **MSC 202 MOP Service Learning (1)**

*Prerequisites:* MSC 201

Students will apply the cumulative knowledge gained in their Marine Option Program courses in designing and implementing a community service project related to the marine environment. Students will explore the meaning of civic responsibility and develop their leadership, professional, and academic skills as they engage community agencies to meet community needs. They will better understand the Samoan concept/value of “tautua” (service). This course is required to earn a Certificate of Proficiency in Marine Option Program.

### **MSC 220 Introduction to Fisheries Management (3)**

This course is designed to acquaint students with contemporary fisheries management concepts and practices. Pacific commercial fishing methods and economic aspects of the U.S. commercial fishing industry will be discussed. Students will gain an understanding of the concepts and applications of the ecosystem management, biological diversity, the Endangered Species Act, and habitat restoration, as they apply to fisheries management. Guest speakers bring their work-related knowledge and experiences to the students. Scientific, administrative and enforcement personnel, along with commercial and recreational fishermen, are invited to discuss their



fisheries management involvement with the students.

*NOTE: Can be taken with Instructor's Permission.*

### **MSC 270 Tropical Island Ecology (4)**

This course is designed to give the upper level marine science student a valuable experience in examining and understanding the environment in which they were raised. The course introduces the principles of ecology with an emphasis on tropical marine ecosystems, fisheries and processing. Field work in American Samoa is emphasized.

### **MSC 280 Marine Science Special Projects (2)**

MSC 280 is an in depth exercise in experimental learning that gives marine science students the opportunity to participate in supervised research, local internships, or service learning projects in the community. Credit is based on the extent of work completed and the time involved.

### **MSC 297/AGR 297 Environmental Service Learning Exchange (2)**

*Prerequisite: MSC197/AGR197*

This course is a four-week, service-learning course. Students will utilize knowledge gained from MSC 197/AGR 197 to carry out community service projects that will include: stream bank restoration, trail maintenance and creation of educational displays and signs. They will also learn about the resources and culture of other countries and to make comparisons among the different systems. A portfolio will be kept on activities and a final report will be required on their projects.

### **PHSCI 150 Physical Science (4)**

*Prerequisites: ENG 150*

This is an introductory Physical Science course that focuses on basic chemistry, physics, earth science, astronomy, and biology concepts. Laboratory experiments illustrate methods in physical sciences. (Formerly ASC 150 – Applied Science)

### **PHY 151 Physics I (4)**

*Prerequisites: MAT 151, ENG 150*

Basic principles of physics, laws of nature, measurement, force and motion, work and energy, momentum and impulse, and energy transfer are introduced. For the lab, students will work on well-designed pedagogical tools (lab pro connected with computer, motion sensor and force sensor connected to the lab pro) that permit the students to gather, analyze,

visualize, model and communicate data in their lab report.

### **PHY 152 Physics II (4)**

*Prerequisite: PHY 151*

Physics II is a continuation of PHY 150. Electricity and magnetism, light and optics, modern physics and cosmology are covered in this semester. Laboratory exercises are organized to illustrate these fundamental principles.

## **SOCIAL SCIENCE**

### **SOCIAL SCIENCE MISSION STATEMENT**

The Social Science Department provides students with introductory information in history, psychology, sociology, anthropology, geography and education. The department provides a diverse spectrum of courses acquainting students with their places in historical processes, cultural developments, interrelationships amongst people and the dynamics of societal elements reflected in social, religious, political and technological progress.

More specifically the department offers the Associate of Arts with emphasis in in Political Science degree program and transferable courses for students planning to further their education at off-island colleges and universities.

### **COMMUNITY ADVISORY COUNCIL:**

Mrs. Ipu A. Lefiti, VP, AS Coalition Commission Against Domestic Violence; Okenaisa Fauolo-Manila, Director SSI, Mr. Randall Baker, Adjunct Faculty.

**CHAIRPERSON AND FACULTY:** Mrs. Toaiva Fiame-Tago Chairperson; Mrs. Lilian Temese, Mrs. Megan Goldfarb, and Mrs. Adrian Moana, Faculty.

### **SOCIAL SCIENCE COURSE DESCRIPTIONS**

#### **ANT 150 Introduction to Anthropology (3)**

*Prerequisites: ENG 151*

This course is a general introduction to the discipline of anthropology, utilizing the four-field approach of cultural and physical anthropology, archaeology and linguistics.

**ANT 153 Introduction to Archaeology (3)***Prerequisites: ENG 151*

This course is a general introduction to the study of past human cultures and the history of archaeology. Emphasis on basic archaeological theories and methods on how archaeological records are recovered studied and analyzed.

**ANT 154 Cultural Anthropology (3)***Prerequisite: ENG 151*

This course emphasizes the scientific methods and theories of cultural anthropology as a vehicle for understanding and explaining the diversity of socio-cultural systems around the world.

**ANT 210 Archaeological Field School (6)***Prerequisite: ANT 153*

This course will provide students with training and practical experience in performing archaeological field research through their involvement in an archaeological research project. Students will be introduced to the basic elements of such research as: research strategy and design, planning and logistics, surface survey and mapping techniques, site and feature documentation, sampling strategies, equipment construction and maintenance, excavation techniques, sample collection and preservation, field cataloging, photographic methods, material and data control, and field laboratory analysis. This course is designed for both regular academic and continuing education credit. *Note: Only available Summer Semester. This course involves 8-10 hours of field study each day for 4-6 weeks. Students must be physically fit and capable of physical activity in hot/humid conditions (students will be required to sign a liability waiver). Depending on the research project, the course may be conducted on Tutuila or on another island. In addition to tuition, students will pay a special fee for travel and living expenses. See instructor for details on any particular year's program (e.g., fees, course dates, field location, etc). Fees will vary from year to year depending on the research location.*

**GEO 150 Introduction to Samoan Geography (3)**

This is a preparatory course, which provides a comprehensive background on the geographical terms, concepts and ideas that are evident in Samoan

landscape, climatology, demography and socio-political environments.

**GEO 160 Introduction to Geography (3)***Prerequisites: ENG 151*

This course covers the geographic survey of the world's major cultural realms. The course introduces processes of spatial integration and differentiation of economic, geopolitical and cultural landscapes. Furthermore, it entails natural resources distribution, the contrasts and linkages between the developed and developing world.

**GEO 161 Pacific Geography (3)***(formerly Geography of the Pacific)*

This course introduces the physical and human geography of the Pacific island realm. This includes regional marine and terrestrial resources, human settlement and landscape transformation, population and political geography, economic development, resource management and environmental issues. *Note: Field trips are conducted outside of class hours.*

**HIS 150 American History I (3)***Prerequisite: ENG 151*

This course introduces the economic, political and social history of the American people to 1865.

**HIS 151 American History II (3)***Prerequisite: ENG 151*

This course covers the economic, political and social history of the American people from 1865 to the present.

**HIS 160 Samoan History I (3)***Prerequisites: ENG 151*

This course introduces the history of Samoa from its earliest beginnings to 1830. The course will review the emphasis political, social, economic and religious developments, which played significant roles which molded Samoan way of life.

**HIS 161 Samoan History II (3)***Prerequisites: ENG 151*

This course covers the history of Samoa from 1830 to the present. The course emphasizes on political, social, economic and religious developments that altered traditional Samoan institutions and created modern Samoan societies.

**HIS 162 Pacific History (3)****Prerequisite:** ENG 151

This course is a thematic approach to the histories of the Pacific. Themes include migrations and human settlements, discoveries and annexations, cultural, sociopolitical and religious developments which affected the lives of the Pacific people.

**HIS 170 World Civilizations I (3)****Prerequisite:** ENG 151

This course emphasizes on the development of cultural, social, economic and political institutions in major world areas, which have affected the course of human progress from the earliest beginnings to the 16<sup>th</sup> Century.

**HIS 171 World Civilization II (3)****Prerequisite:** ENG 151

This course emphasizes on the development of cultural, social, economic and political institutions in major world areas, which have affected the course of human progress from the 16<sup>th</sup> Century to the present.

**PAD 150 Introduction to Public Administration (3)****Prerequisites:** ENG 151

Introduction to the theory and practice of public administration: focus on the administrative environment including relations between governmental branches; a history of administration; theories of administrative organization; the management of public organizations including leadership, personnel, and budgetary concepts; planning and evaluating; public policy questions; current and future issues.

**PHIL 150 Introduction to Philosophy (3)****Prerequisite:** ENG 151

An introduction into the field and the nature of philosophy. Includes a critical examination of people's basic values, ethics and beliefs system. Attempts also to discover what life is best worth living and what ideals are most worth pursuing.

**POL 150 Introduction to American Government (3)****Prerequisite:** ENG 151

Theories, structures, functions and techniques of modern American Government; political concepts, institutions, and practices are stressed in this course.

**POL 151 Introduction to American Samoa Government (3)****Prerequisite:** ENG 151

Dynamic forces which have shaped the structure of the American Government from pre-western times to the present; the executive, legislative, and judicial branches; relations between the United States Government and the American Samoa Government, including possible future constitutions for American Samoa are explored.

**POL 160 Introduction to Politics (3)****Prerequisite:** ENG 150

This course is an introduction to political science as a discipline intimately involved with ideas, concepts, practices of ethics, empirical and social scientific inquiry and public policy. Application of concepts and practices are emphasized to respond to and understand the future political changes.

**POL 170 Introduction to Public Policy (3)****Prerequisite:** ENG 151

This course is an introduction to policy making and policy analysis. Accentuates the processes, theories and applications of public policy making.

**POL 220 Pacific Current Affairs (3)****Prerequisites:** ENG 151

The social, cultural, and political environment of Samoa and the Pacific are discussed to provide background review, research and discussion of current issues.

**POL 250 Comparative Politics (3)****Prerequisite:** POL 150

Focus is placed on similarities and differences in theory and practice of political systems and ideological movements throughout the world.

**POL 251 International Relations (3)****Prerequisite:** POL 150

This course focuses on the major theories of international relations, the formulation of foreign policies, the role of the international organizations and the diplomatic behavior between nations are examined.

**PSY 150 Introduction to Psychology (3)****Prerequisite:** ENG 151

A survey of psychology including a historical overview of the development of ideas in the field and an introduction to the field's basic methodological approaches.



**PSY 250 Human Development (3)****Prerequisite:** PSY 150

The study of human development from birth through old age. Topics include psycho-social development, cognitive development, physical development, moral development as compared cross-culturally during each stage of the life cycle. .

**REL 150 World Religions (3)****Prerequisite:** ENG 151

A comparative survey of the major religious traditions of the world, focusing on each religion's history, doctrines, and present conditions.

**SOC 150 Introduction to Sociology (3)****Prerequisite:** ENG 151

An introduction to the field of sociology. Emphasis on modern sociological theories based on the five concepts of society which are culture, social structure, functional integration, power and social action. Students learn about the existence of human society from a micro to a macro level of societies and cultural diversities on issues of gender relations, education, socialization, stratification, and mass movement

**SOC 211 Social Issues (3)****Prerequisite:** SOC 150

An advanced course emphasizing the interrelationships and development of theoretical concepts and terminology introduced in SOC150. Social issues to be addressed include primary and secondary socialization, norms, social institutions, change and deviation and mass movement. *This course will be offered only in the Spring semester.*

**TRADES AND TECHNOLOGY  
DIVISION (TTD)**
**TRADES AND TECHNOLOGY  
MISSION STATEMENT**

The mission of the Trades and Technology Division (TTD) is to equip students with knowledge and technical skills in their vocational specialties, through the issuance of certificate of proficiencies (COP) and Associate of Science (AS) degrees, based on national standards, with input from local, public and private entities. In addition, TTD develops programs that prepare students for entry-level employment and upgrade skills of incumbent workers, and prepare them

for professional licensure and certification. The Trades and Technology Division provides preparatory training for students to further their education and training beyond ASCC.

**COMMUNITY ADVISORY COUNCIL BY  
PROGRAM:**
**Architectural Drafting Technology / Civil  
Engineering:**

Etimani Elisara, DBAS; Mala Ualita, TOFR.

**Autobody Repair:**

Chris Banse, Accords Collision; Dell Motor Sports; Adam Sione, ASCO Motors

**Automotive Technology:**

Russell Cox, Haleck Motors; Pani Ng Lam, ASCO Motors; Sam Chong, ASG Firecrash, Savelio Lieu Kuey, Haleck Motors; David Ya Kim, Samoa Motors.

**Construction:**

Dean Hudson, Fletcher; Gus Viena; Mark Liersch, McConnell Dowell; Kenape Aumavae, ASCC Maintenance; Duke Purcell; Peter Crispin, Tool Shop.

**Electrical:**

Peter Young, ASMC Young Electric Inc.; Reno Vivao, ASPA; Paul McGowan, StarKist Samoa; Sopoaga Sagaga, Fofoga Electric.

**Information Communication Technology:**

Mr. John Newton;; Connie Shimasaki, ASPA; Sal Augafa, BlueSky Communications. Stephen Petaia (Petaia Media)

**Welding:**

Bob White, MYD Samoa; Andy Wearing, Samoa Gases.

**Diesel:**

Harvey Golk, Harvey enterprises; Primo Nauer, Pacific Products; Russel Cox, Industrial Gases

**Civil Engineering Technology:**

Faafetai Wells, DBAS; William Sword, BP; Estella Rubin, DPW.

**Carpentry**



## A/C & Refrigeration

**CHAIRPERSON AND FACULTY:** Ms. Evelyn Fruean, Acting Chairperson; Mr. Adullum Esera; Mr. Tom Hardy; Mr. Taetuli Laulu; Robert Moore; Frederick Suisala.

### TRADES AND TECHNOLOGY COURSE DESCRIPTIONS

#### AUTO BODY REPAIR (ABR)

##### **ABR 100 Intro to Automotive Collision (3)**

This course prepares the student to the safety practices in the auto repair shop environment. Students will gain an understanding of the program requirements, college policies, and occupational/industry expectations as well as an insight into career opportunities. This course will also introduce the student to the use of basic hand tools, power tools and specialty tools required in the auto body industry. *Note: 3 lecture credits.*

##### **ABR 140 Welding and Cutting (6)**

**Prerequisite:** ABR 100

ABR majors only. This course will introduce the student to basic Oxy-Acetylene welding techniques. Basic shielded arc welding, MIG, TIG and plasma cutting techniques will also be introduced. *Note: 4 lecture credits, 2 lab credits.*

##### **ABR 170 Electrical and Electronic Mechanical Systems (6)**

**Prerequisite:** ABR 100

ABR majors only. This course will introduce the student to the basic electrical safety, basic electrical theory, basic testing and inspection, and the removal and installation of electrical and electronic components of the automobile. *Note: 2 lecture credits, 4 lab credits.*

##### **ABR 180 Vehicle Glass, Door, & Hardware (3)**

**Prerequisite:** ABR 100

This course will cover fundamental theory and procedures in removal, installation, and reinstallation of stationary glass, windshield, and adjustment of movable door glass. Theory and methods of removing and replacing door outer skins will also be included. Students will work on group and individual projects to hone their skills. *Note: 1 lecture credit, 2 lab credits.*

##### **ABR 190 Trim, Panel, and Assemblies (3)**

**Prerequisite:** ABR 100

This course will introduce the student to the proper use of tools, installation, and removal of door trims, headliners, interior trim panels, door locks, lock cylinders, handles, and other miscellaneous trim panels. Servicing and adjustments of bumpers, hoods and hatches as well as rattle elimination will also be covered. *Note: 1 lecture credit, 2 lab credits.*

##### **ABR 250 Minor Body Repairs (4)**

**Prerequisite:** ABR 140

This course will introduce the student to the fundamentals in classifying body damage, analyzing sheet metal damage, metal straightening, and the proper selection of tools and techniques. Students will work on group and individual projects to hone their skills. *Note: 2 lecture credits, 2 lab credits.*

##### **ABR 255 Full & Partial Panel Replacement (4)**

**Prerequisite:** ABR 250

This course will introduce the student to factory attachment methods of structural/nonstructural full and partial panels, and the proper procedures for replacing these components. The method of sectioning structural/non-structural components will also be explored. Students will work on group and individual projects to hone their skills. *Note: 1 lecture credit, 3 lab credits.*

##### **ABR 265 Corrosion, Body Fillers and Plastic Repairs (4)**

**Prerequisite:** ABR 255

This course will introduce the student to corrosion restoration, application of body fillers and plastic repairs. Emphasis will focus on the preparation of the surface to be repaired. Students will work in-group and individual projects to hone their skills. *Note: 1 lecture credit, 3 lab credits.*

##### **ABR 270 Surface Preparations for Refinishing (3)**

**Prerequisite:** ABR 265

This course instructs the student how to determine the condition if the vehicle is finish and plan the required steps for refinishing the vehicle. Students will work in-group and individual projects to hone their skills. *Note: 1 lecture credits, 2 lab credits.*

##### **ABR 275 Equipment Preparations and Maintenance for Refinishing (3)**

**Prerequisite:** ABR 270



This course introduces students to the safety procedures, proper operation, preparation, and maintenance of the tools and equipment used for automotive refinishing. *Note: 1 lecture credits, 2 lab credits.*

#### **ABR 280 Blending Colors and Auto Finishes (3)**

***Prerequisite: ABR 275***

This course will introduce students to the different techniques and various top coats used for refinishing with emphasis on panel blending. Various paint problems and defects caused by curing, mixture, and spraying techniques, together with possible solutions will be covered in this course. *Note: 1 lecture credits, 2 lab credits.*

#### **ABR 290 Applying the Finish (4)**

***Prerequisite: ABR 280***

This course will introduce the student on applying surface top coat, applying prime-scaler, applying single stage paint, base, clear coat and tri-coat finishes of a complete rail section, rocker panel, A and B pillar, floor plan, truck floor and full body section. *Note: 1 lecture credits, 3 lab credits.*

### **AIR CONDITION & REFRIGERATION (AC&R)**

#### **AC&R 100 Introductions to Air Conditioning and Refrigeration (3)**

This course is designed to provide students with an introduction to the air conditioning and refrigeration industry. Classroom lectures and instruction are in basic air conditioning and refrigeration theory, terminology, schematics and tools for the air conditioning and refrigeration program. *Note: 3 lecture credits.*

#### **AC&R 240 Intermediate to Air Conditioning and Domestic Cooling System (5)**

***Prerequisite: AC&R 100***

This course is designed to provide students with knowledge and skills in refrigeration and an in-depth study covering refrigerant pressures, sub cooling, super heating, compression systems, metering devices and system charging. Residential air conditioning wall mount split, central and automotive units will be covered. Lab will include troubleshooting, leak detection, evacuation, and recharging of a/c units. *Note: 3 lecture credits, 2 lab credits.*

#### **AC&R 280 Domestic & Commercial Refrigeration (5)**

***Prerequisite: AC&R 100***

This course is designed to provide students with an in-depth study of refrigeration systems, application, servicing, heat loads, absorption principles, special refrigeration devices, and application. Intermediate maintenance, troubleshooting, and repair of domestic and commercial refrigeration units will be covered as well as theories and application of electricity as they apply to domestic and commercial refrigeration offered during our laboratory sessions. *Note: 3 lecture credits, 2 lab credits.*

### **ARCHITECTURAL DRAFTING TECHNOLOGY (ADT)**

#### **ADT 150 Architectural Drafting I**

***Prerequisite: ART 160, MAT 151***

This course is designed to introduce basic concepts of technical drawing. It will also cover perception theories, lettering, sketching techniques, use of drafting instruments, orthographic projection, basic dimensioning, and pictorial drawings.

#### **ADT 160 Introduction to AutoCAD (3)**

***Prerequisite: ADT 150***

This course is designed as an introductory course to computer Aided Drafting designed for classroom instruction or self-study. Also provides complete instructions in Master AutoCAD commands. Lessons start with systematic instructions followed by exercises designed for practicing commands learned within the lessons. *Note: 3 lecture credits.*

#### **ADT190 Residential Planning & Designing (3)**

***Prerequisite: ETP 150***

This course which applies use of graphic standards, deals mainly with proper room layout techniques and building orientation in relation to the environment/surroundings, climate; also creating site plan for proposed project site using AutoCAD software. *Note: 3 lecture credits.*

#### **ADT 210 Architectural Drafting II (5) formerly ADT 210 Architectural Drafting III**

***Prerequisite: ADT 150***



This course includes the theory and practice involved in producing and organizing drawings using computer aided design techniques. Students are exposed to design layout and construction used in steel, concrete, masonry and wood systems. Independent research emphasized. All drawing is done using computer aided design software. *Note: 4 lecture credits, 1 lab credit.*

### **ADT 215 Construction Codes (3)**

***Prerequisite: ADT 210***

This course explores the ramifications of codes on building projects. Student applies the materials of the course relating to zoning, building, and accessibility requirements (ADA) to drawing projects in the co requisite course. This is a lecture, discussion, and exercise course. *Note: 3 lecture credits.*

### **ADT 230 Advanced Architectural Drafting (4)**

***formerly ADT 230 Architectural Drafting IV***

***Prerequisite: ADT 210***

This course is an advanced architectural structural drafting using wood, reinforced concrete, stone and structural engineering. Practical experience in designing eight unit apartment buildings, specifications, estimating and architectural models.

### **ADT 251 Electrical Designs (4)**

***Prerequisite: ETP 150***

This course will help students majoring in Architectural Drafting to design electrical plans for local houses, draw electrical plans, understand electrical terms, use electrical symbols and notes, interpret GFCI and know how to use it, determine the total amount of VA for kitchen, dining, and garage; calculate each circuit, and do the calculation to determine the size of the house panel. *Note: 2 lecture credits, 2 lab credits.*

### **ADT 260 Advanced AutoCAD (4)**

***Prerequisite: ADT 160***

This course is designed specifically for students who wish to pursue computer aided drafting and design areas of study or who wish to gain employment in the field. Extensive hands-on practical drafting and design projects are undertaken by the student. *Note: 4 lecture credits.*

### **ADT 280 Elements of Structural Drawing (3)**

***Prerequisite: ADT 160***

This course is focused in practical and theoretical structural engineering procedures and testing through discussion and application forces, movement, deflection, tension, and mechanical advantage. *Note: 3 lecture credits.*

### **BPR 200 Blueprint Reading I (3)**

This course provides print reading experience in residential construction. Print reading fundamentals, construction materials, and light frame construction utilized in residential are covered in detail. *Note: 3 lecture credits.*

## **AUTOMOTIVE TECHNOLOGY (AUTO)**

### **AUTO 100 Fundamentals of Automotive Mechanics (3)**

This course is an introduction to the automotive technology program and profession. This survey course is designed to introduce basic tools and fasteners and related mathematics required in the automotive service as well as shop safety and work ethics. In addition, it is recommended for those students desiring entrance into the Automotive Technology Morning/Afternoon Program. *Note: 3 lecture credit...*

### **AUTO 172 Automotive Engine Performances (9)**

***Prerequisite: AUTO 100***

This course is a study of the engine subsystems responsible for good engine performance, clean air, and fuel economy. Systems to be covered include ignition, fuel, emission, and computer controls. *Note: 5 lecture credits, 4 lab credits*

### **AUTO 174 Automotive Braking Systems (6)**

***Prerequisite: AUTO 100***

This course is a study of the automotive braking system. Emphasis will be placed on the theory, operation, diagnosis, and repair of modern braking systems. This course will also cover traction control systems as well as power and anti-lock braking systems. *Note: 5 lecture credits, 1 lab credit.*

### **AUTO 176 Automotive Steering and Suspension (6)**

***Prerequisite: AUTO 100***

This course is a study of automotive steering and suspension. Emphasis will be placed on the theory, operation, diagnosis, and repair of modern steering and suspension systems. Topics include four-wheel steering, tires and wheels, and supplemental inflatable





restraints systems, and Four-wheel alignment and adjustments. *Note: 5 lecture credits, 1 lab credit.*

#### **AUTO 178 Automotive Electrical/Electronics (9)**

***Prerequisite: AUTO 100***

This course involves the study of electrical fundamentals, electrical test equipment, automotive batteries, starting and charging systems, wiring diagrams, lighting circuits, various advanced body electrical circuits and controls. The primary emphasis of this course is on diagnosis, testing, and repair. *Note: 5 lecture credits, 4 lab credits*

#### **AUTO 250 Advanced Auto Engine Performances (3)**

***Prerequisite: AUTO 100 Fundamentals of Automotive Mechanics or demonstration of equivalent skills; satisfactory completion of AUTO 184 or enrollment in the Apprenticeship Program.***

This course is an in-depth study of import and domestic computerized engine controls. Emphasis will be placed on the theory, operation, and testing procedures necessary to accurately diagnose and repair drivability complaints. *Note: 2 lecture credits, 1 lab credit.*

#### **AUTO 280 Automotive Engine Diagnosis & Repair (6)**

***formerly AUTO 180***

***Prerequisite: AUTO 100***

This course is a detailed study of various engine designs and materials. Lab will include diagnosis, inspection, repair methods, and parts necessary for complete engine repair. In addition, various machines and machining operations will be covered. *Note 5 lecture credits, 1 lecture credit.*

#### **AUTO 282 Automotive Transmission, Transaxle, and Drive Trains (9)**

***formerly AUTO 182***

***Prerequisite: AUTO 100***

This course detailed study of the clutch system, standard and automatic transmissions, transaxles, drive lines and differentials: theory of operation including: friction materials, hydraulics, torque converters, gear trains, planetary gears, and controls as well as gear ratios, torque multiplication, speeds, drive line angles and tooth patterns. *Note: 6 lecture credits, 3 lab credits.*

#### **AUTO 284 Automotive Cooling/Heating & Air Conditioning (5) formerly AUTO 184**

***Prerequisite: AUTO 100***

This course covers the theory and operation of cooling, heating, and air conditioning systems. Lab practices include maintenance, testing, diagnosis, and repair of these systems. *Note: 4 lecture credits, 1 lab credit.*

### **CARPENTRY**

#### **CARP 100 Hand and Power Tools (3)**

***Prerequisite:***

The focus of this course is to familiarize the students with (a) Hand Tools such as pliers, handsaw, hacksaw, T-square, tape measure, hammer, crowbar, and many other hand tools used in carpentry. (b) Power tools such as a table saw, miter saw, circular saw, drill, jointer, rotary hammer, and other power tools associated with carpentry and (c), safety with these tools and the workplace. *Note: 3 lecture credits.*

#### **CARP 120 Plans, Building Codes, and Specifications (3)**

***Prerequisite: CARP 100***

This course is designed to help a student how to read architectural drawings (plans) and correctly interpret the information found in written specifications. The students will be able to understand and align specifications with local and Federal building codes. *Note: 3 lecture credits.*

#### **CARP 150 Footings and Foundations (4)**

***Prerequisite: CARP 120***

This course will present an overview of footings & foundations in construction. Explaining and identifying different layouts in footing and foundations. Students will prepare materials; calculate the cost for a building site, and layout a site with a transit, locating property lines and corners. Students calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms to distribute and displace the overall weight of a structure. *Note: 2 lecture credits, 2 lab credits.*

#### **CARP 160 Walls and Ceiling Framing (4)**

***Prerequisite: MAT 155 & CARP 150***



This course will examine how to build and frame walls. Wall framing is the assembling of vertical and horizontal members that form outside and inside walls of a structure. This frame supports the upper floors, ceilings and the roof. Students will learn the importance of sole plates, top plates, studs headers, and sheathing. *Note: 2 lecture credits, 2 lab credits.*

#### **CARP 170 Roofing Styles and Types (4)**

***Prerequisite: CARP 150***

This course will identify the different types & styles of roofing and their purpose. Identifying and analyzing different architectural designs. Types of roofs covered in this course will include (a) Gable; two surface (b) Hip; Four surface (c) Flat; One surface roofs. *Note: 2 lecture credits, 2 lab credits.*

#### **CARP 180 Plumbing (4)**

***Prerequisite: CARP 170***

This course is designed to identify the importance of plumbing in the building industry. Students will learn how to install, repair pipes, replace and cut different types of pipes and use different kinds of glues and waterproof adhesive. Students will also learn how to apply basic math principles in the application of these skills in areas of cost estimation, area and square footage and job calculations. *Note: 2 lecture credits, 2 lab credits.*

#### **CARP 200 Exterior and Interior Doors, Windows and Trim (4)**

***Prerequisite: MAT 155, CARP 150***

This course is designed to select materials with confidence and build your homes to last. This course covers information on systems during the three stages of new construction: foundation, framing, and exterior finishing. You will learn about selection criteria, properties of materials, application techniques and the long-term performance of the respective systems. This course will teach students the right way to build small windows, screen doors and the proper method of installing doors, caulking application of windows and doors. Students will also learn the proper way of framing doors and windows and rough openings and custom doors and custom windows. Trim will be introduced at this course. *Note: 2 lecture credits, 2 lab credits.*

#### **CARP 220 Interior Floors and Finishes (5)**

***Prerequisite: CARP 200***

This course covers terms and elements used in installing wood strip, wood plank, wood unit block, resilient vinyl, Quarry Tile, Mosaic Tile, and sheet vinyl floor coverings. It also covers installation, final floor finishes, and refinishing of floors. *Note: 2 lecture credits, 3 lab credits.*

#### **CARP 221 Cabinet making (6)**

***Prerequisite: CARP 220***

This course is designed to apply different types of layout, cutting, and assembling of various types of cabinets for residential, office or commercial use. Techniques in selection appropriate materials and hardware for the construction, units on estimating costs of construction. *Note: 2 lecture credits, 4 lab credits.*

#### **CARP 270 Remodeling And Renovation (6)**

***Prerequisite: CARP 220***

This course is designed to apply basic concepts of remodeling, calculation, and estimation of materials and machinery to be used and the sequence of events as the building project made. Also, include remodeling and renovation to make homes accessible in compliance with national and local codes and regulations. *Note: 2 lecture credits, 4 lab credits.*

### **CIVIL ENGINEERING TECHNOLOGY**

#### **CET 150 Plane Surveying I (4)**

This course introduces theory and practice of plane surveying, including measurement of distance and angles, use and care of instruments, error analysis, field problems, and office computations. Plane surveying introduces students to the skills and technological knowledge required for working in the field. Students learn to measure, calculate, and record direction, distance, and elevation using standard field equipment; advanced skills are taught through projects in which students use GPS for data collection and geometric calculations to measure curves. Prerequisites for this technical course are beginning land surveying and trigonometry. *Note: 4 lecture credits.*

#### **CET 151 Plane Surveying II (4)**

***Prerequisite: CET 150***

This is a second semester course in surveying with the emphasis on the use of advanced survey instruments and their field applications in Construction surveying. This highly technical class introduces the concept of



creating a flat map, a plane, to describe a curved surface. Geodesy, measuring the shape of the Earth, is introduced. Students learn to use the North Star to determine direction. Determining errors in precision measurement is covered. This course is one of the last courses taken in a land-surveying program. *Note: 4 lecture credits.*

### **CET 160 Introductions to Geographic Information System (3)**

This course provides an in depth introduction to the fundamentals of Geographic Information Systems (GIS). The course will include an introduction to basic cartographic principles including map scales, coordinate systems, and map projections. An in depth review of the necessary hardware and software elements used in GIS will be made using ArcView. Applications of GIS technology as used in science, business, and government will also be presented. The topics will be reinforced with hands on experience in map scales, coordinate systems, data sources and accuracy, data structures, working with spatial data, map, and overlays manipulation of databases and presentation of data in map layouts. *Note: 3 lecture credits.*

### **CET 261 Construction Procedures & Management (3)**

*(formerly CET 260 Construction Procedures and CET 261 Construction Management. )*

***Prerequisite: CET 260***

This course is a combination of construction procedures and management. Theory and application of specifications, estimations of project costs, application of building codes and use of computer programs in development and preparation of construction. Orients students to select and applies the proper structural materials, equipment methods used in wood, masonry, concrete, and steel construction.

### **CET 265 Hydraulics & Hydrology (3)**

*formerly CET 265 Hydraulics*

***Prerequisite: PHSCI 150***

This course introduces a basic knowledge of hydraulics and hydrology (or to organize existing knowledge) for the practicing engineer. It provides the ability to solve engineering problems of fluid flow in pipes and open channels by application of basic hydraulic principles and engineering tools in the

process of engineering analysis and design. In addition, it provides basic understanding of flow control and flow measurement in open channels, and it develops the ability to determine energy losses and flow capacity of basic hydraulic structures. It provides a basic knowledge of atmospheric and surface processes (precipitation, evapotranspiration, soil moisture, infiltration, surface runoff). It offers gaining practical experience on hydrological data acquisition, analysis, and interpretation on temporal and spatial scales of hydrological processes and on using simple catchment rainfall-runoff models. *Note: 3 lecture credits.*

### **CET 270 Land Developments (3)**

***Prerequisite: MAT 151, PHSCI 150***

Orient students to land development processes, rules, regulations, preparation of land use permit applications, and requirements regarding ecology, drainage, utilities, mitigation, and historical preservation issues. Building permitting application and issues also discussed. *Note: 3 lecture credits.*

### **CET 299 Cooperative Work Internship (4)**

***Prerequisite: CET 270***

This course is a one semester, four hour per week practical job experience with local firm or ASG office directly related to field of engineering. Specific duties and times negotiable with firm or office will be studies. Duties will be documented and performance rated by firm or office in consultation with CET staff. *Note: 4 lecture credits.*

## **DIESEL ENGINES**

### **DISL 100 Introductions to Diesel Engines (3)**

This course is designed to introduce the theory and operation of two and four cycle diesel engines. Instruction will include shop safety procedures, history of diesel, fundamentals, and basic operations and maintenance of two stroke and four stroke engines. The course will review the different usages of the diesel engine. Basic tools and diesel engine designs will also be covered.

### **DISL 150 Brakes, Air (Pneumatic) & Hydraulic Systems (3)**

***Prerequisite: DISL 100***



This course will cover classroom instruction and laboratory training covering air and hydraulic brake systems, components, and truck systems. Instruction in air brakes will include troubleshooting and repair problems in the system, proper brake adjustments, and system testing. Safety when working with compressed air and spring brake chambers. Instruction in hydraulic brakes will also include machining brake drums and brake discs. *Note: 2 lecture credits, 1 lab credit.*

### **DISL 160 Heavy Duty Electrical/Electronic Systems (5)**

***Prerequisite: DISL 100***

This course will include classroom instruction and laboratory training covering the purpose, design, theory, and operating principles of electrical systems of a diesel engine. Special emphasis will be placed on developing the skills required to test, service, and repair electrical components and associated systems on heavy-duty trucks. *Note: 3 lecture credits, 2 lab credits.*

### **DISL 162 Diesel Fuel Injection and Computerized Systems (5)**

***Prerequisite: DISL 160***

This course will include classroom instruction and laboratory training covering the purpose, theory, and operating principles of fuel injection systems. Special emphasis will be placed on developing the skills required to test, service, and repair fuel injection components and diesel computerized engine controls. *Note: 3 lecture credits, 2 lab credits.*

### **DISL 200 Small to Medium (Compact) Diesel Engines (5)**

***Prerequisite: DISL 100***

This course is an introduction to compact and automotive diesel engines. Topics of theory, operation, service, diagnosis, and troubleshooting of compact diesel engines and how these engines are used in the automobile and a variety of light duty equipment's. *Note: 2 lecture credits, 3 lab credits.*

### **DISL 250 Heavy Duty Diesel Engines (5)**

***Prerequisite: DISL 100***

This course will cover the theory and operation of two and four cycle diesel engines used in heavy duty trucks and equipment. Instruction will include engine disassembly and assembly, maintenance, and repair of both type engines. Cooling systems, air and exhaust

systems, starting systems as well as turbo charging systems will also be covered. *Note: 2 lecture credits, 3 lab credits.*

## **ELECTRONICS**

### **ELE 150 Electronic I (4)**

***Prerequisite: ETP 100***

This course covers the theory of DC/AC circuit analysis, semiconductor device and their application and introduction to electronic circuits.

### **ELE 151 Electronic II (4)**

***Prerequisite: ELE 150***

This course entails the theory of electronic circuits and their applications in all areas of communications, telecommunications, radar, industrial and consumer electronics.

### **ELE 170 Consumer Electric (4)**

***Prerequisite: ELE 150***

This course introduces the study of consumer electrical and electronic systems; theory, operation, maintenance, troubleshooting, repair of small appliances (fans, toasters, microwaves, etc.) and soldering techniques.

### **ELE 190 Digital Techniques (4)**

***Prerequisite: ELE 151***

The focus of this course is theory of logic circuits, Boolean algebra, flipflops, registers, counters, shift registers, clocks, combination logic, semiconductor memories and microprocessors...

### **ELE 201 Communication Systems (4)**

***Prerequisite: ELE 151***

Study communication systems: theory, operation, maintenance, troubleshooting, and repair of modern electronic communications equipment.

### **ELE 202 Computer Systems (4)**

***Prerequisite: ELE 150***

This course encapsulates the fundamental principle, laws, safety rules, theorems and tool handling of DC and AC electronics with element composition of components utilized in, and mathematical analysis of, electronic circuits.

### **ELE 299A Electronic Systems Practicum (4)**

***Prerequisite: ELE 190***





This course encapsulates the fundamental principle, laws, safety rules, theorems and tool handling of DC and AC electronics with element composition of components utilized in, and mathematical analysis of, electronic circuits.

**ELE 299B Communication Systems Practicum (4)**

**Prerequisite:** ELE 201

This course encapsulates the fundamental principle, laws, safety rules, theorems and tool handling of DC and AC electronics with element composition of components utilized in, and mathematical analysis of, electronic circuits.

**ELE 299C Computer Systems Practicum (4)**

**Prerequisite:** ELE 202

This course encapsulates the fundamental principle, laws, safety rules, theorems and tool handling of DC and AC electronics with element composition of components utilized in, and mathematical analysis of, electronic circuits.

**ELECTRICITY TECHNOLOGY  
PROGRAM (ETP)**

**ETP 100 Basic Electrical Theory I (3)**

**formerly ETP 100 Electrical Basic Theory I**

This course is designed to provide basic knowledge and basic fundamental concepts of electrical theory, focusing on direct current (d-c), safety precautions, and procedures. Alternating current (a-c), electrical meters, and basic hand tools will also be introduced.  
*Note: 3 lecture credits.*

**ETP 120 Basic Electrical Theory II (4)**

**Prerequisites:** ETP 100

This course is designed to provide intermediate knowledge of electricity, including an in-depth study of alternating circuit (a-c), and its resistance, capacity and inductance within circuits and effects on equipment. The course will provide students with in-depth skills in safe operation of various electrical meters, testing instrumentations and measuring apparatuses during the laboratory. *Note: 3 credits lecture, 1 credit lab.*

**ETP 130 National Electrical Code (NEC) (3)**

**Prerequisites:** ETP 120

This course is designed to provide students with basic knowledge on how to read, understand and locate information utilizing the National Electrical Code manual and handbook relevant to local and National Electrical Codes (NEC) pertaining to Electrical industry requirements with emphasis on Residential Wiring. *Note: 3 lecture credits*

**ETP 150 Residential House Wiring (5)**

**formerly ETP 150 Applied Residential Wiring**

**Prerequisite:** ETP 130

This course is designed to provide an advanced knowledge and hands on skills in residential wiring techniques. Laboratory exercises are designed to give students practical experience in different residential wiring techniques. *Note: 1 credit lecture, 4 credits lab.*

**ETP 299A Cooperative Work Internship (4)**

**Prerequisite:** ETP 150

This course is a one semester, four hours a week practical job experience under the supervision of a licensed electrician. Specific duties and times will be negotiable with a company or workplace. Duties will be documented and performance of students will be rated by company or workplace in consultation with the ETP faculty. *Note: 1 credit lecture 3 credits lab.*

**INFORMATION COMMUNICATION  
TECHNOLOGY**

**ICT 150 Introductions to Computers (3)**

This course presents hardware and software components of microcomputer systems. Topics include operating systems, basic network commands, and fundamentals of email, internet, word processing, spreadsheet, and presentation graphics. Lab work includes hands on experience on the course software.  
*Note: 2 credits lecture 1 credits lab.*

**ICT 155 IT Essentials (3)**

**Prerequisite:** ETP 100

This course teaches students the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. The students, through hands-on activities and labs, learn to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, this course includes an introduction to



networking. This course helps students prepare for the Comp TIA A+ certification. *Note: 2 Lecture credit, 1 lab credit*

### **ICT 161 Networking for Home & Small Businesses (4)**

This course teaches students the skills needed to obtain entry-level for home network installer jobs. It also helps students develop some of the skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It introduces networking and the Internet using tools and hardware commonly found in home and small business environments. Instructors are encouraged to facilitate field trips and outside-the-classroom learning experiences. Labs include PC installation, Internet connectivity, and wireless connectivity, file sharing, print sharing, and the installation of game consoles, scanners, and cameras. *Note: 3 lecture credit 1 lab credit.*

### **ICT 162 Working at a Small 2 Medium Business or ISP (4)**

***Prerequisite: ICT 161***

This course prepares students for jobs as network technicians. It also helps students develop additional skills required for computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing, and security. It also familiarizes students with servers that provide e-mail services, Web space, and authenticated access. Students also learn about soft skills required for help desk and customer service positions. Network monitoring and basic troubleshooting skills are taught in context. *Note: 3 lecture credits, 1 lab credits.*

### **ICT 170 Microcomputer Applications (3)**

***Prerequisite: ICT 150***

This course illustrates computer capabilities within an employment setting. It will focus on solidifying student knowledge of popular Microsoft office applications. Laboratory work includes extensive laboratory assignments using Word Processing, Spreadsheet, and Presentation software to accomplish tasks meeting Microsoft Office User (MOUS) Specialist standards. *Note: 2 lecture credit 1 lab credit*

### **ICT 261 Introducing Routing & Switching in the Enterprise (4)**

***Prerequisite: MAT 155, ICT 161***

This course familiarizes students with the equipment applications and protocols installed in enterprise networks, with a focus on switched networks, IP Telephony requirements, and security. It also introduces advanced routing protocols such as Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF) Protocol. Hands-on exercises include configuration, installation, and troubleshooting. *Note: 3 lecture credit, 1 lab credit*

### **ICT 262 Designing & Supporting Computer Networks (4)**

***Prerequisite: MAT155, ICT 162***

Learners progress through a variety of case studies and role-playing exercises, which include gathering requirements, designing basic networks, establishing proof-of-concept, and performing project management tasks. In addition, lifecycle services, including upgrades, competitive analyses, and system integration, are presented in the context of pre-sale support. *Note: 3 lecture credit, 1 lab credit*

### **ICT 270 Advanced Office Applications (3)**

***Prerequisite: ICT 170***

This course applies advanced functions of office automation systems (word processing, spreadsheets, and database). Laboratory work includes advanced exercises in Word, Excel, and Access designed to Microsoft Office User Specialist (MOUS) Expert standards. *Note: 2 lecture credits, 1 lab credits.*





## WELDING

### WLD 100 Welding Fundamentals and Metallurgy (3)

#### **Prerequisite:**

This course will introduce the student to welding technology, safety, blueprint interpretation designed primarily for welding, welding symbols, and their significance. Basic science of metallurgy used in the welding industry will also be covered. *Note: 3 lecture credits.*

### WLD 160 Introduction to Oxyacetylene Welding (5)

#### **Prerequisite WELD 100**

This is an introductory course in basic oxyacetylene welding. This course emphasizes on safety, operations of the acetylene welding equipment, electrode identification, and gas welding terminology. Welding in the flat and horizontal position will also be covered. *Note: 2 lecture credits, 1 lab credit.*

### WLD 170 Introduction to Basic Shielded Metal Arc Welding (5)

#### **Prerequisite WELD 160**

This course in basic shielded metal arc welding focuses on safety and the operations and use of various types of arc welding machines, electrode identification and arc welding terminology. Welding in the flat and horizontal position will also be covered. *Note: 2 lecture credits, 3 lab credits.*

### WLD 190 Advanced Oxyacetylene Welding (6)

#### **Prerequisite WELD 160**

This course in oxyacetylene welding emphasizes on metal cutting process, welding, brazing, and soldering. Welding and cutting in the vertical and overhead positions will also be covered. *Note: 2 lecture credits, 4 lab credits.*

### WLD 260 Advanced Shielded Metal Arc Welding (6)

#### **Prerequisite WLD 170**

This is an advanced course in shielded metal arc welding. Focus will be on the safety operations of various types of arc welding machines, supplies and electrode identification. Emphasis in the single and multi-pass groove welding in the vertical and overhead positions. *Note: 2 lecture credits, 4 lab credits.*

### WLD 270 Gas Metal Arc Welding (MIG) (6)

#### **Prerequisite WELD 170**

This course identifies gas metal arc welding principles and welding procedures. This emphasize on GMAW machines, welding procedures, and welding joints. GMAW is mostly referred to as MIG (Metal Inert Gas) welding in the welding industry. *Note: 2 lecture credits, 4 lab credits.*

### WLD 280 Gas Tungsten Arc Welding (TIG) (6)

#### **Prerequisite WELD 170**

A practical and application course identifies the joining techniques used in gas tungsten arc welding processes. Emphasis will be placed on welding and joining of high-tech components and composite materials. GTAW is mostly referred to as TIG (Tungsten Inert Gas) welding in the welding industry. *Note: 2 lecture credits, 4 lab credits.*

### WLD 290 Special Welding Processes (6)

#### **Prerequisite WELD 170**

Apply special welding and cutting processes techniques. The emphasis will be on submerged welding, submerged cutting, and various special welding processes. Ferrous and Non-ferrous welding and cutting applications will also be covered. *Note: 2 lecture credits, 4 lab credits.*

## ENRICHMENT COURSES

These are courses that provide personal and career enrichment opportunities and they may be taken as electives.

### COLLEGE LIFE PLANNING (CLP)

#### COURSE DESCRIPTIONS

#### **CLP 150 College and Life Planning (3)**

This course provides students with an opportunity to cultivate the skills necessary to become confident, successful students. Topics include: personal learning styles, time management, goal setting, test-taking techniques, academic planning, self-care, money management, relationships, communication, memory techniques, college and community resources, and respecting diversity.





## **ARMY RESERVE OFFICERS TRAINING CORPS (ROTC)**

### **COURSE DESCRIPTIONS**

#### **MSL 100 Introduction to Physical Fitness (1)**

Hands-on participatory course following the Army's physical fitness program. Classes conducted three days per week with Army ROTC cadets. Focus is on aerobic conditioning, muscular strength and endurance. *Note: Taken concurrently with MSL 201 and MSL 202.*

#### **MSL 101 Introduction to Military Science I (3) (formerly ROTC 150)**

This course provides an initial glimpse of the military and the role that it plays in society. It helps in the development of the student's comprehension of the American defense system as it evolved as the result of changes in the American society. Typical subjects include ethics, leadership, effective goal setting, managing time and effort, and the tradition of a citizen's army. This is the practical application in adventure training, one-rope bridges, rifle marksmanship, land navigation, drill and ceremonies, physical training.

#### **MSL 102 Introduction to Military Science II (3) (formerly ROTC 151 Foundations of Officership)**

*Prerequisite:* MSL 101, or prior military experience

This course is the continuation of MSL 101. It provides instruction in military-related subjects of general student interest, i.e., confidence-building field trips, supervising an individual exercise program, development of individual soldiering skills, and leadership and professional ethics for the military; Introduction to armed forces involvement; This is the practical application in adventure training, one-rope bridges, rifle marksmanship, land navigation, drill and ceremonies, physical training.

#### **MSL 201 Intermediate Military Science I (3) (formerly ROTC 252 Fundamentals of Leadership)**

*Prerequisite:* MSL 101, MSL 102, ENG 151, or prior military experience, taken concurrently with MSL100

This course introduces the basic concepts of military leadership, familiarization with the concept of leadership, the five of leadership power, the decision-making process, and the styles of leadership. It

involves military skills and related adventure-type training and basic individual survival skills.

Leadership laboratory required 1.5 hours per work, consisting of practical application of leadership skills, drill and ceremonies, land navigation, first aid, and army physical fitness training.

#### **MSL 202 Intermediate Military Science II (3) (formerly ROTC 253 The Military as a Profession)**

*Prerequisite:* MSL 201, ENG 251 or concurrently, or prior military experience, taken concurrently with MSL100

This course familiarizes the cadet to individual and small-unit military skills. Practical applications include: combat first aid, basic wilderness survival skills, land navigation, and the knowledge of key military jobs, duties, and responsibilities. This will also involve field training to provide hands-on experience. Leadership laboratory required 1.5 hours per week, consisting of practical application of leadership skills, drill and ceremonies, land navigation, first aid, and army physical fitness training.

