

AMERICAN UNIVERSITY
SCHOOL OF MEDICINE
ARUBA
COURSE CATALOG

FALL 2025



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I. Welcome message from the Administration

Dear Medical Student,

On behalf of the faculty and administration, congratulations on your acceptance and arrival. You have worked incredibly hard to get here, and we are proud to welcome you as you take this next major step in becoming a physician.

Medical education is a challenging but rewarding endeavor. While the road ahead is arduous, the destination—a life of service to others—is worth every effort. As an institution, we are here to guide you through two distinct phases of training:

- **Basic Sciences:** You will first develop a comprehensive understanding of the scientific basis of the human body. Our curriculum is specifically designed to prepare you for success on the **USMLE Step 1 examination**.
- **Clinical Sciences:** In the second stage, you will learn to apply that knowledge to recognize and treat illness in a clinical setting, validated by passing your remaining licensure exams.

Our Commitment to You

We are committed to your success. We understand the personal sacrifices required to pursue medicine, and we have structured our program to ensure you have every opportunity to meet your goals.

Life in Aruba

For the next year or more, Aruba is your home. Living here offers a unique cultural perspective that will enrich your education. Please remember that you are an ambassador of the university and a guest of the island. The local community is gracious and welcoming; returning that respect is an essential part of your residency here.

We look forward to witnessing your growth and success.

Sincerely,

**** The Office of the Administration****

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II. AUSOMA's Vision, Mission and Educational Competencies

Vision

To develop culturally diverse individuals into compassionate physicians and leaders in their respective medical fields without the life-long crippling debt.

Mission

The mission of AUSOMA is to deliver high-quality, affordable medical education that leverages cutting-edge technology within a supportive and student-centered environment. AUSOMA prepares future physicians with the knowledge, clinical expertise, communication skills, and compassion needed to provide excellent patient care and to thrive in a dynamic, evolving healthcare landscape. AUSOMA graduates will possess the competence, confidence, and commitment to lifelong learning necessary to integrate knowledge effectively and manage patient needs with efficiency and empathy.

Educational competencies

AUSOMA has identified and defined six educational competencies aligned with the six ACGME competencies. The program educational competencies (PEC) and the corresponding program educational objectives (PEOs) of AUSOMA are shown in the following table:

PEC	PEO
	The objective of the AUSOMA MD program is to train students to become physicians with the ability to
PEC 1: Basic Knowledge of medicine	PEO1: Apply medical knowledge to dedicated patient care
PEC 2: Clinical and diagnostic skills	PEO2: Use the acquired knowledge towards right discretion to diagnose and treat patients
PEC 3: Patient centered medicine	PEO3: Understand the influence of socio-economic, behavioral, ethnic, cultural & religious factors on patients during treatment
PEC 4: Interpersonal rapport and communication	PEO4: Effectively and empathetically communicate with patients, patient families and fellow team members for quality healthcare
PEC 5: Medical professionalism	PEO5: Adhere to the highest ethical standards and professional protocols while dealing with patients
PEC 6: Evidence based practice and lifelong learning	PEO6: Treat newly emerging diseases based on community medical evidences and continue learning till the end of their practicing career

III. Academic Calendar Fall 2025 – Summer 2026

FALL – 2025

- Last day of registration for new students: August 22
- Orientation for new and continuing students: September 8
- First day of classes: September 9
- Last day of registration for current students: September 12
- Last day for withdrawal: September 19
- Registration for next semester begins: November 1
- Final Exams: December 15 - 19
- Last day of classes: December 19
- Last day of submission of grades: December 22
- Tuition Due for Next Semester: January 1

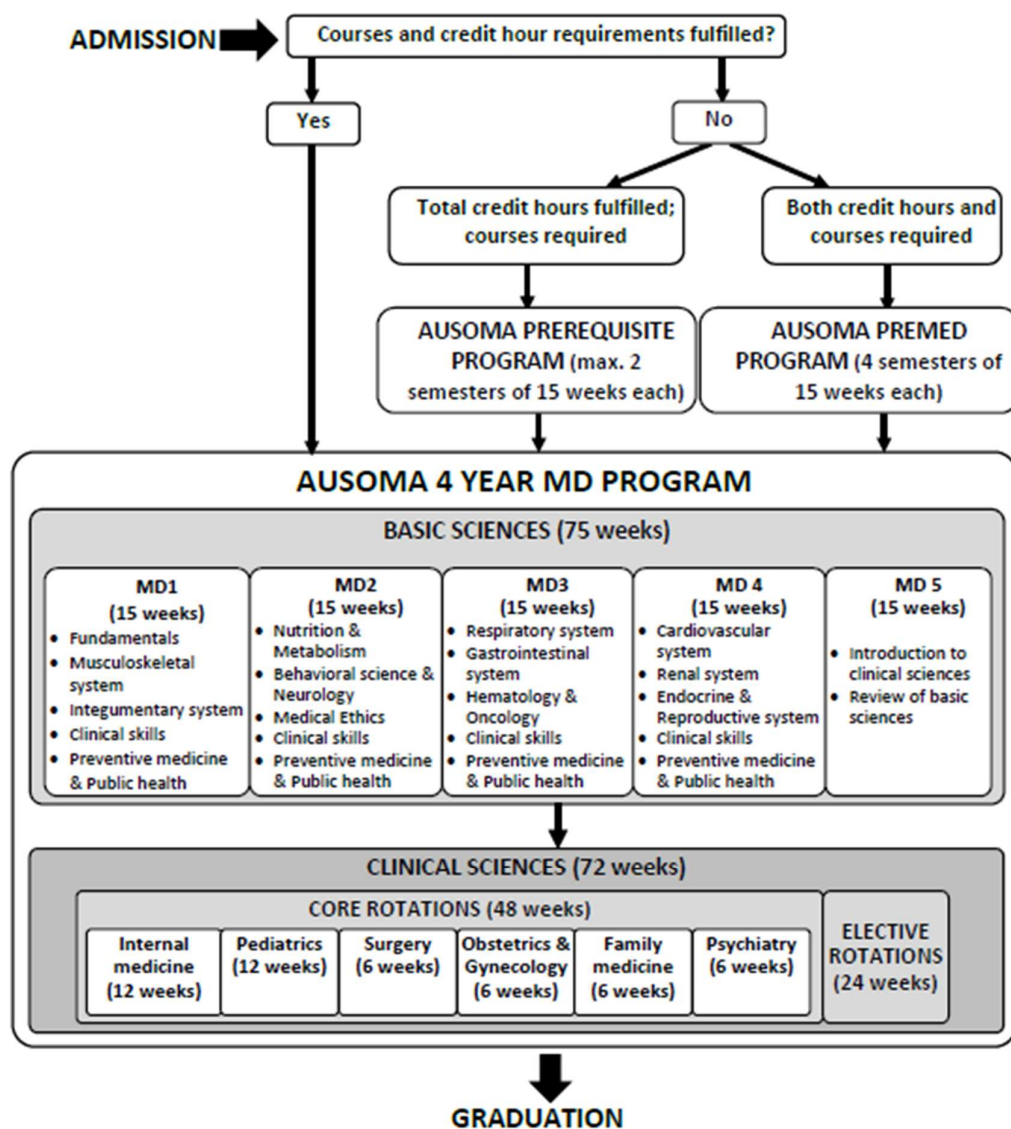
SPRING – 2026

- Last day of registration for new students: December 30
- Orientation for new and continuing students: January 12
- First day of classes January 13
- Last day of registration for current students: January 17
- Last day for withdrawal: January 24
- Registration for next semester begins: March 1
- Final Exams: April 20 - 24
- Last day of classes: April 24
- Last day of submission of grades: April 28
- Tuition Due for Next Semester: May 1
- **Aruba Holidays: (No Class)**
 - January 25 Betico Croes Day (falls on a Sunday - if government announce next day holiday then there will be no class on the 26th)
 - February 16 Carnival Day
 - March 18 National Anthem & Flag Day
 - April 3 Good Friday
 - April 6 Easter Monday
 - April 27 King's Day

SUMMER – 2026

- Last day of registration for new students without late fees: April 30
- Orientation for new and continuing students: May 11
- First day of classes: May 12
- Last day of registration for current students: May 15
- Last day for withdrawal: May 22
- Registration for next semester begins: July 1
- Final Exams: August 17-21
- Last day of classes: August 21
- Last day of submission of grades: August 24
- Tuition Due for Next Semester: September 1
- **Aruba Holiday: (No Class)**
 - May 14 Ascension Day

IV. AUSOMA Educational Program Overview



V. AUSOMA Educational Program Details

V.A. Pre-Medical Program

The premedical program consists of six traditional college semesters packed into four accelerated semesters of pre-medical studies. High school graduates with scholastic achievements can enroll for a 5-year program through this premed program and graduate to become qualified candidates for medical licensure.

V.A.1. Semester 1 (26 Credits)

- PM1108. General Biology
- PM1208. General Chemistry
- PM1304. Pre-calculus Math
- PM1403. English

PM 1108 General Biology

This course will focus on the fundamentals of biology. Areas studied include basic ideas such as cell biology and genetics. Both animal and human biological systems will be covered to give students an overview of the different biological strategies employed on earth for survival and reproduction.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 1208 General Chemistry

This course is aimed at the discussion of 3 blocks of 2 sub-blocks each. Block 1 - i. Basics in Chemistry, PTE, Atomic Structure, Bonding in molecules, Compounds, Stoichiometry ii. Chemical Kinetics, Equilibrium, Thermochemistry. Block 2- i. Physics in Chemistry, Phases and changes in Phases ii. Solutions, Solubility and Solubility constants, aqueous solutions, Cations, Anions, Concentration, Salts Block 3; i. Reactions, Bronsted/Lewis/Arrhenius Acid-Base, pH-pOH, strong/weak acids & bases, salts of weak acids/bases, buffers ii. Reaction, Red-Ox, Electro Chemistry, Emf, Thermodynamics

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 1304 Pre-calculus Math

This course is aimed at the discussion of 3 blocks containing related topics. Topics include Basics in Math, natural/rational/irrational numbers, polynomials, exponents, rules, Equations/Inequalities in algebra, Absolute value, Complex numbers, Geometry, Analytics, Trigonometry, Functions, Graphs, Angles(sum/difference/formulas), Triangles, Algebra of Functions/Inverse/Quadratic, Transformation of Functions, Polynomial/Rational/Algebraic Functions, Exponential/ Logarithmic /Combined Functions, Matrices, multiplication, inverse

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 1403 English

This course will focus on the fundamentals of medical research and medical communication. To provide students with a foundation in the basic principles and processes of critical analysis of research articles and the in-depth process of Medical Communication between doctors and patients.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

V.A.2. Semester 2 (22 Credits)

- PM2108. Basic Anatomy and Physiology
- PM2208. Organic Chemistry
- PM2308. Physics

PM 2108 Basic Anatomy and Physiology

This course will focus on introduction to specific subjects in biology namely anatomy and physiology. Both animal and human biological systems will be covered to give students an overview of the anatomical and physiological processes.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 2208 Organic Chemistry

This course is aimed at the discussion of 3 blocks of 2 sub-blocks each. Block 1- i. Nomenclature (IUPAC rules/systematic), Isomers (structural, stereo, geometric, optical, diastereomers, enantiomers), Bonding/covalent, atomic orbitals, ii. Alkanes, Alkenes, Alkynes, Alkyl Halides, Aromatic Compounds, Substitution/Elimination reactions. Block 2- i. Alcohols, Ethers, Aldehydes/Ketones, Synthesis and Reactions, ii. Carboxylic Acids and Derivatives, Synthesis and Reactions. Block 3. i. Carbohydrates, mono- di- poly-saccharides, Reactions, Amines/N-containing compounds, Amino Acids/Peptides/Proteins, ii. Separation/Purification processes/Lab equipment/Spectroscopy.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 2308 Physics

The course is modified to include activities and examples integrated with anatomy and physiology mainly the physics at small dimensions, and end with the mechanics of human motion, the energetics of metabolism, the fluid dynamics of blood flow through vessels, the mechanisms for speaking and hearing, and the optical imaging system we call the eye. To understand the physics of human organs and of humans themselves. In addition to applying physical concepts to the body, to understand the body from a viewpoint that is more numerical than is often adopted in biological and medical presentations.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

V.A.3. Semester 3 (22 Credits)

- PM3107. Introduction to Histology
- PM3204. Behavioral Sciences
- PM3306. Introduction to Biochemistry
- PM3404. Biostatistics
- PM3503. Introduction to Microbiology

PM 3107 Introduction to Histology

This course is an introduction to Histology. Its aim is to examine the general principles by which human tissues are organized and to be able to identify the basic tissue types and understand the relationship between tissue composition and organ function. This course will provide basic knowledge concerning the structure and function of normal cells, tissues and organs, which is a prerequisite for the study of their pathology.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 3204 Behavioral Sciences

This course introduces students to systematic, controlled investigation of behavior of the organism and interactions among organisms. It teaches how human behavior can be studied through naturalistic experimental observations and rigorous formulations.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 3306 Introduction to Biochemistry

This course will focus on the basics of Biochemistry. Areas studied include chemistry of macromolecules like carbohydrates, lipids, amino acids, proteins, nucleic acids, enzymes. Only human biochemistry will be covered to give students an overview of chemical reactions that operate in the human body to keep it healthy. Students will apply these basics when they study medical Biochemistry during medical training.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 3404 Biostatistics

This module is designed to teach students the basic knowledge needed for promoting health and preventing specific diseases at individual as well as population level. The elements taught in this module include measures of health status, stages of disease and levels of prevention, major epidemiologic study designs, concepts of prevalence, incidence, screening, bias, statistical distribution, statistical hypothesis and hypothesis testing.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components.

PM 3503 Introduction to Microbiology

This course will focus on the study of living organisms which are invisible to the naked eye like bacteria, viruses, fungi, parasites. Accordingly this course will cover bacteriology, virology, mycology and parasitology with focus on effect of these microorganisms on human health and disease.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components

V.A.4. Semester 4 (23 Credits)

- PM4108. Introduction to Anatomy
- PM4208. Introduction to Physiology
- PM4303. Introduction to Immunology
- PM4502. Introduction to Physical Diagnosis
- PM4602. Medical Terminology

PM 4108 Introduction to Anatomy

This course will focus on the fundamentals of Anatomy. The students will be given an overview of the different systems of the human body like musculoskeletal, circulatory, respiratory, digestive, urinary, reproductive, and endocrine organ systems.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components

PM 4208 Introduction to Physiology

This course expands on the physiological principles founded in Human Systems Physiology. Its main objective is to establish the concept that physiology is not simply a set of individual biological components and functions, but that systems work together as an integrated unit to maintain health and well-being. It is designed to provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course

content will include neural & hormonal homeostatic control mechanisms, as well as study of the musculoskeletal, circulatory, respiratory, digestive, urinary, reproductive, and endocrine organ systems.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components

PM 4303 Introduction to Immunology

This course introduces students to the immune system and mechanisms of immunity in the human body. The course covers concepts of the human body's barriers to pathogens, types of immunity namely innate and adaptive immunity and the synergy between the two, defects in the immune system like inappropriate inflammation, autoimmune diseases and immunodeficiency disorders.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components

PM 4502 Introduction to Physical diagnosis

This course is designed to teach each medical student the basic skills needed for medical practice. These skills include effective communication, scheme-based history taking and physical examination, development of clinical reasoning, formation of an initial diagnostic plan, interpretation of basic diagnostic studies, performance of selected procedures, provision of counseling and feedback, and articulate clinical case presentations.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components

PM 4602 Medical terminology

This module is medical terminology that introduces students to the language of medicine. Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. Students will acquire a foundation in basic medical terminology through a study of root words, prefixes and suffixes. Utilizing a systems approach, the student will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, oncology, and pharmacology.

Instructional methods include lecture, small-group sessions and self-study.

Assessment includes First block exam (15%), Second block exam (15%), Final exam (50%) and Internal assessment (20%) which includes quizzes and non-exam components

V.B. Prerequisite Program

Prerequisite science courses are offered to applicants who have at least 90 credit hours from an accredited university but who are deficient in one or more of these courses. Applicants are first admitted into the Prerequisite Program, and, upon successful completion of all Prerequisite Program requirements, they are automatically admitted into the Medical Program of AUSOMA, provided they are cleared by the Promotions committee as having academic, disciplinary, or behavioral good standing on their record or in their student files. The complete list of Prerequisite courses can be completed in under 8 months. A student may enroll in up to 22 credit hours of Prerequisite courses per semester with the advice and consent of the Admissions Committee.

Prerequisite science courses are taught in Aruba by medical school faculty and will satisfy the entrance requirements for science prerequisite courses. All pre-medical or prerequisite courses must be separate from the Basic Science courses. No prerequisite or Pre-Medical course can be the same course as in the Basic Sciences program.

Please contact the Admissions Office for additional program details. The Admissions Committee will place students in only those courses required to complete their prerequisites, or for which there is a grade of D or F, or for which the grade is more than 5 years old.

V.C. Medical Program- Basic Sciences

The 19 months of basic sciences are distributed across 5 semesters and include 11 organ systems, Medical Ethics module, 4 modules of Clinical skills training, 4 modules of Preventive medicine, and are combined with Clinical Board Series utilizing patient and physician educators to maximize the experience for each student. Each semester runs for 15 weeks.

V.C.1. Year 1 MD1 Semester:

Year 1 MD-1 semester	28 Credit Hours
MD 1001: Foundational Principles of Basic Sciences	13 Credit Hours
MD 1002: Musculoskeletal system	8 Credit Hours
MD 1003: Integumentary system	2 Credit Hours
MD 1004: Clinical Skills-1	2 Credit Hours
MD 1005: Preventive Medicine, Public Health and Quality Health Parameters	3 Credit Hours

MD 1001: Foundational Principles of Basic Sciences

The Foundational Principles of Basic Sciences module introduces the principles of basic and clinical sciences and lays the foundation for medical practice. It provides students with tools to effectively master application-based material in the subsequent organ-system-based modules. The module will prepare students to recognize and apply key concepts of cellular structure and adaptation and response to cellular and organ injury, stress, and environmental threats, including inflammation, tissue perfusion, and neoplasia. This module will also introduce the students' role in clinical medicine and patient-centered care.

Teaching methods include lectures, small group discussions, laboratory work, self-study with simulated patients, clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 1002: Musculoskeletal system

This is an interdisciplinary integrated module of the Musculoskeletal system. Basic sciences of anatomy, biochemistry, histology, physiology, microbiology, pathology, and pharmacology of the musculoskeletal system are correlated with clinical disorders of this system. The goal of this integrated course is to provide the medical student with comprehensive knowledge about bones, joints, muscles, tendons, ligaments, and associated soft tissues related to clinical manifestations of diseases.

Teaching methods include lectures, workshops/seminars, and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 1003: Integumentary system

Basic sciences of anatomy, biochemistry, microbiology, pathology, pharmacology, and physiology of the integumentary system are correlated with clinical disorders of this system. The goal of this integrated course is to provide the medical student with comprehensive knowledge about skin and associated soft tissues related to clinical manifestations of diseases. This module covers the normal microscopic anatomy and function of skin, basic biological concepts, and terminology related to basic skin lesions. Medical entomology will be discussed with emphasis on vectors and modes of

transmission. Common clinical skin conditions such as heat stroke, wound healing, burns, protozoans, and worms will be explained. Concepts of pharmacodynamics and pharmacokinetics, as well as drugs affecting the adrenergic and cholinergic systems, are introduced.

Teaching methods include lectures and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 1004: Clinical skills-1

The Clinical Skills course is designed to teach each medical student the basic skills needed for medical practice. These skills include effective communication, scheme-based history taking and physical examination, development of clinical reasoning, formation of an initial diagnostic plan, interpretation of basic diagnostic studies, performance of selected procedures, provision of counseling and feedback, and articulate clinical case presentations. In the first semester, the module starts with highlights of professionalism and ethics while conducting a thorough clinical history and performing vital signs. Then these skills will be centered around the integumentary and musculoskeletal systems.

Teaching methods include lectures, HPE sessions and small group discussions of clinically-oriented problems. In-lab demonstration of clinical skills on simulated patients.

Assessment includes Final exam (50% includes practical OSCE 30% and Theory 20%), Block exam (30% in total from practical mini-OSCE exams), Non-exam assessment (20% Internal assessment: 10% of which is Class participation, and 10% Health Fair participation)

MD 1005: Preventive medicine, Public health, and quality health parameters

This module is designed to teach students the basic knowledge needed for promoting health and preventing specific diseases at the individual as well as population levels. The elements taught in this module include measures of health status, stages of disease, and levels of prevention. This module also introduces students to the importance of epidemiology and biostatistics, major epidemiologic study designs, concepts of prevalence, incidence, screening, bias, statistical distribution, statistical hypothesis, and hypothesis testing. Epidemiology related to the organ systems in the first semester will also be covered.

The course will be presented in the form of a series of lectures, clinical case scenarios, problem-solving, student presentations, and small group discussions.

Assessment includes Final exam (50%), Block exam (30%), Non-exam assessment (20% in total from Assignments and Class assessments)

V.C.2. Year 1 MD2 Semester:

MD-2 semester	27 Credit Hours
MD 2006: Nutrition and Metabolism	6 Credit Hours
MD 2007: Behavioral Sciences and Neurology	13 Credit Hours
MD 2008: Medical Ethics	2 Credit Hours
MD 2009: Clinical Skills-2	2 Credit Hour
MD 2010: Preventive Medicine, Public Health and Quality Health Parameters	4 Credit Hours

MD 2006: Nutrition and metabolism

Nutrition and metabolism introduce students to an understanding of biochemical pathways related to the three main components of our diets: carbohydrates, proteins, and fats. It also helps to understand diets and their physiological effects on the human organism. The macromolecules that constitute the body and their metabolic fate; the effect of the types of food we eat, fad diets, supplements of vitamins and minerals, and how they influence our well-being, will deepen the students' understanding of the genesis of diseases like obesity, dyslipidemias, metabolic syndrome, and Type 2 Diabetes mellitus. fad diets, supplements, vitamins, and trace minerals. This class builds on previous basics learned on amino acids and proteins.

Teaching methods include lectures, small group discussions, topic presentations, clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 2007: Behavioral Sciences and Neurology

This class encompasses the connection between the Nervous system and Human Behavior. The behavioral science portion of this clinically oriented course will teach students relevant principles of human behavior, including biological, social, and cultural substrates. The course will cover the psychosocial aspects of human development across the lifespan and relevant developmental milestones in medicine. The course will also address childhood and early-onset disorders, learning theories, transference and countertransference, defense mechanisms, cognitive disorders, mood disorders, anxiety disorders, psychotic disorders, personality disorders, malingering and factitious disorders, somatic symptoms and related disorders, eating disorders, sleep pattern and sleep disorders, child and elderly abuse, domestic violence, change in the elderly, death and bereavement, substance abuse disorders/ psychoactive drug intoxication and withdrawal, sexual dysfunctions and paraphilia. The course will furthermore discuss psychopharmacology, including antidepressants, antipsychotics, mood stabilizers, anxiolytics, central nervous system stimulants, and opioid withdrawal and detoxification. In the Neuroscience portion of this course students will learn the discipline of neuroscience and will cover the topics of neuro-anatomy, embryology, histology, neuro-physiology, neuro-pathology and neuro-pharmacology.

Teaching methods include lectures, and small group discussions, Radiology-lab participation, clinically-oriented problems and handouts to enhance independent study time, as well as self-directed learning activities promoting life learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 2008: Medical Ethics

Medical Ethics consists of introducing ethical, professional and legal issues that arise in the practice of medicine. Medical ethics includes core principles of ethics, concepts of legal competence, informed consent, confidentiality, reportable illnesses, ethical issues in patients with HIV infection, voluntary and involuntary hospitalization, advance directives, death and euthanasia, medical malpractice, and impaired physicians. This course will provide students with basic tools used to identify ethical, professional, and legal conflicts in clinical settings, as well as resources used to critically evaluate and address questions and concerns that these conflicts present.

The course will be presented in the form of series of lectures, clinically ethical case scenarios, problem-solving, student presentations, and small group discussions.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 2009: Clinical Skills-2

The Clinical Skills course is designed to teach each medical student the basic skills needed for medical practice. These skills include effective communication, scheme-based history taking and physical examination, development of clinical reasoning, formation of an initial diagnostic plan, interpretation of basic diagnostic studies, performance of selected procedures, provision of counseling and feedback, and articulation of clinical case presentations. In the second semester, these skills will be centered around the nervous system, behavioral science, nutrition, and metabolism. The module starts with understanding and evaluation of mental health and cognitive performance of the patient, moves into the clinical history taking and examination of the nervous system, and ends with health promotion of nutrition for the most common diseases in medical practice.

Teaching methods include lectures, HPE sessions, and small group discussions of clinically-oriented problems. In-lab demonstration of clinical skills on simulated patients

Assessment includes Final exam (50% includes practical OSCE 30% and Theory 20%), Block exam (30% in total from practical mini-OSCE exams), Non-exam assessment (20% Internal assessment: 10% of which is Class participation, and 10% Health Fair participation)

MD 2010: Preventive medicine, Public health, and quality health parameters

This module is designed to teach students an introduction to the different topics in public health. The elements taught in this module include major sources of morbidity and mortality in the United States, major metrics of public health in the US, demographic and epidemiologic transitions experienced by developed countries, and data sources in public health. Epidemiology of nutritional, behavioral, and neurological disorders is also covered in this module.

The course will be presented in the form of a series of lectures, clinical case scenarios, problem-solving, student presentations, and small group discussions.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

V.C.3. Year 1 MD3 Semester:

MD-3 semester	28 Credit Hours
MD 3011: Respiratory System	9 Credit Hours
MD 3012: Gastrointestinal system	9 Credit Hours
MD 3016: Hematology and Immunology	4 Credit Hours
MD 3014: Clinical Skills-3	2 Credit Hour
MD 3015: Preventive Medicine, Public Health and Quality Health Parameters	4 Credit Hours

MD 3011: Respiratory System

This course covers the Respiratory system from all aspects of its anatomic and histologic structure, as well as physiological functions and pathological of the respiratory system. It also covers the various pathological conditions and their histopathological appearances. The course also covers the most common microbiological agents affecting the system. The drugs acting on the respiratory system are also discussed with emphasis on their uses and side effects. The course is accompanied by a short introduction to the clinical presentation of the patient with a respiratory disease.

Teaching methods include lectures and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 3012: Gastrointestinal system

The course on the Gastrointestinal system focuses on the understanding of the structures, biochemical aspects, physiological functions, pathological disorders, microbial, parasitic, and viral infections, and pharmacological requirements for treatment of gastrointestinal diseases. In addition, the clinical skills to examine the GIT and recognize its major diseases will be introduced to students. Also included is the prevention of diseases in the system.

Teaching methods include lectures and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life-long learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 3016: Hematology and Immunology

This unit will provide students with a solid understanding of current hematological and immunological concepts. The ontogeny, identification, morphology, and function of blood cells are studied. Hematopoiesis and its role in hemostasis and immune function are considered. Hematological disease perturbations are also covered. Host immune responses to pathogens from initial non-specific immune reactions through to the development of adaptive responses and immunological memory are studied. Underpinning concepts such as the danger hypothesis and immune efficacy against various pathogen classes are emphasized.

Teaching methods include lectures and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life-long learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 3014: Clinical Skills-3

The Clinical Skills course is designed to teach each medical student the basic skills needed for medical practice. These skills include effective communication, scheme-based history taking and physical examination, development of clinical reasoning, formation of an initial diagnostic plan, interpretation of basic diagnostic studies, performance of selected procedures, provision of counseling and feedback, and articulation of clinical case presentations. In the third semester, these skills will be centered around the respiratory system, gastrointestinal system, hematology, and oncology. The semester starts with the gastrointestinal system with a focus on clinical history taking and examination, then the respiratory system and evaluation of diseases during the physical examination, and ends with the hematology system.

Teaching methods include lectures, HPE sessions, and small group discussions of clinically-oriented problems. In-lab demonstration of clinical skills on simulated patients

Assessment includes Final exam (50% includes practical OSCE 30% and Theory 20%), Block exam (30% in total from practical mini-OSCE exams), Non-exam assessment (20% Internal assessment: 10% of which is Class participation, and 10% Health Fair participation)

MD 3015: Preventive Medicine, Public Health, and Quality Health Parameters

In this module, occupational health elements, environmental health elements, quality improvement, behavioral factors in health promotion, and community screening are covered. This module also includes epidemiology of respiratory diseases, prevention of tuberculosis, epidemiology of

gastrointestinal disorders, and prevention of HIV and AIDS. Using the fundamental concepts and principles of preventive medicine and public health, students will also be able to realize the importance of incorporating health promotion and disease prevention into clinical practice. The course will furthermore allow students to acquire knowledge about evidence-based medicine and to start applying that knowledge in the real world. The students will learn how to critically review medical literature, analyze, interpret, and apply the information in clinical practice.

The course will be presented in the form of a series of lectures, clinical case scenarios, problem-solving, student presentations, and small group discussions.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

V.C.4. Year 2 MD4 Semester:

MD-4 semester	30 Credit Hours
MD 4016: Cardiovascular System	10 Credit Hours
MD 4017: Renal system	4 Credit Hours
MD 4018: Endocrine and Reproductive System	10 Credit Hours
MD 4019: Clinical Skills-4	2 Credit Hour
MD 4020: Preventive Medicine, Public Health and Quality Health Parameters	4 Credit Hours

MD 4016: Cardiovascular System

This course will focus on the fundamentals of Cardiovascular Diseases. Areas studied include basic ideas such as Embryology, Anatomy, Physiology, Pathology, and Pharmacology pertaining to the Cardiovascular System.

Teaching methods include lectures and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life-long learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 4017: Renal system

This course will focus on the fundamentals of renal diseases. Areas studied include basic ideas such as Embryology, Anatomy, Physiology, Pathology, and Pharmacology pertaining to the Cardiovascular System.

Teaching methods include lectures and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life-long learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 4018: Endocrine and Reproductive System

This course focuses on the structure of endocrine glands/ reproductive organs; synthesis, mechanism of action and degradation of the chemical messengers secreted by them; physiological functions of the glands and organs; endogenous regulatory mechanisms to maintain milieu interior of the chemical messengers, clinical conditions associated with disturbances in the milieu, laboratory investigations to detect/ diagnose the conditions, pharmacological interventions to restore the milieu and management of these conditions. Students will be exposed to clinical scenarios both classic as

well as of current interest to achieve evidence based as well as lifelong learning. They will be trained in history taking, physical examination and differential diagnosis, comprehension of triggers that cause disruptive patterns of behavior and social issues that could limit the physical as well as psychological freedom of the affected individual.

Teaching methods include lectures, and small group discussions of clinically-oriented problems to enhance independent study time, as well as self-directed learning activities promoting life-long learning skills.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

MD 4019: Clinical Skills-4

The Clinical Skills course is designed to teach each medical student the basic skills needed for medical practice. These skills include effective communication, scheme-based history taking and physical examination, development of clinical reasoning, formation of an initial diagnostic plan, interpretation of basic diagnostic studies, performance of selected procedures, provision of counseling and feedback, and articulation of clinical case presentations. This module starts with focused clinical history in the cardiovascular system, physical examination, and health promotion. The understanding of heart murmurs, recognition of the most common types of murmurs, and a review of the electrocardiogram, the most important arrhythmias, and conditions are also included. The module also includes focused clinical history, examination, and health promotion of the male and female genitourinary and endocrine systems, and ends with a thorough physical examination from head to toe.

Teaching methods include lectures, HPE sessions, and small group discussions of clinically-oriented problems. In-lab demonstration of clinical skills on simulated patients

Assessment includes Final exam (50% includes practical OSCE 30% and Theory 20%), Block exam (30% in total from practical mini-OSCE exams), Non-exam assessment (20% Internal assessment: 10% of which is Class participation, and 10% Health Fair participation)

MD 4020: Preventive Medicine, Public Health, and Quality Health Parameters

In this module, prevention of cardiovascular disease, prevention of renal and urinary disease, diabetes mellitus type II, and prevention in maternal and child health are covered. This module also covers prevention of disability in the elderly, epidemiology and prevention of communicable diseases, including epidemiology and prevention of sexually transmitted diseases, epidemiology and prevention of HIV and AIDS, prevention and control of health-associated infections, and prevention of arthropod-borne viral diseases.

The course will be presented in the form of a series of lectures, clinical case scenarios, problem-solving, student presentations, and small group discussions.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments and Class assessments)

V.C.5. Year 2 MD5 Semester:

MD-5 semester	27 Credit Hours
MD 5021: Introduction to Clinical Medicine	12 Credit Hours
MD 5022: Review of Basic Sciences	15 Credit Hours

MD 5021: Introduction to Clinical Medicine

ICM aims to assimilate new methods and sharpen the student's history-taking skills, including all the aspects of chief complaint, presenting problem, history of present illness, past medical history, family and social history, review of systems, and mental status exam. ICM also aims to assess the students' clinical examination skills that they possess for a smooth transition from basic sciences to clinical science.

The student's history taking and clinical examination skills are assessed through in-person classroom setting examinations.

ICM also includes:

- Comprehensive Integration of Clinical Judgment
- Foundations of Medicine
- Basic Life Support (BLS)
- Health Insurance Portability and Accountability Act (HIPAA)
- Blood-borne pathogens
- Body Interact

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from Assignments, BLS, blood-borne pathogens, body interact, and HIPAA)

MD 5022: Review of Basic Sciences

AUSOMA will offer students with United States Medical Licensing Examination (USMLE) review programs and help prepare them for USMLE success. Students will get to review all system-based courses from MD-1 through MD-4

Students receive Monday through Friday live lectures as well as MCQ practice question sessions by in-house faculty

Both courses of MD5 are completed on campus in Aruba.

Assessment includes Final exam (50%), Block exam (30% in total from all block exams), Non-exam assessment (20% in total from AMBOSS)

V.D. Medical Program - Clinical Sciences

The Clinical Sciences & Rotations portion of the program prepares students to deal directly with patients in real-world environments. The AUSOMA Staff will work directly with students to assist full advantage of clinical rotations and placement in residency positions.

Students eligible for clinical rotations will have clinical sites available to them in Atlanta, Georgia, Chicago, Ill, and Virginia, USA. With our 5th Year program, we will also tutor and assist students in passing the USMLE exams.

V.D.1. Core rotations:

CC 1012: Internal Medicine (12 Weeks). Students are exposed to adult patients with a variety of disease processes. Objective components emphasized are medical history taking, physical examination skills, case presentation, differential diagnosis of disease processes, and development of a strong foundation of internal medicine knowledge.

Student evaluation is based on the Clinical Component – 70% subjective, 25% step exam, 5% internal assessment (includes attendance, assigned clinical education completion, such as AMBOSS)

CC 2012: General Surgery (12 Weeks) Overall goal is to give broad exposure to surgery and understanding of the medicine of surgery. It will not serve as a comprehensive course in surgery, but rather a foundation for the role surgery plays in the care of the hospitalized patient. Students will develop an understanding of the common surgical diseases, as well as develop a framework for self-study. In addition, basic manual skills such as suturing and knot tying will be emphasized. Student evaluations are based on the Clinical Component – 70% subjective, 25% step exam, 5% internal assessment (includes attendance, assigned clinical education completion, such as AMBOSS)

CC 1006: Pediatrics (6 Weeks). Designed to introduce core principles and become familiar with common illnesses of pediatrics, common causes of death in childhood, normal growth and development, concepts of family-centered care, and variations in immunology, biochemistry, pathology, and physiology that occur as the child ages. Student evaluations are based on the Clinical Component – 70% subjective, 25% step exam, 5% internal assessment (includes attendance, assigned clinical education completion, such as AMBOSS)

CC 2006: Obstetrics / Gynecology (6 Weeks). Provides a foundation of knowledge and skills through exposure to normal and pathological conditions associated with the female reproductive organs such as menstruation, conception, and pregnancy. Broader concepts of primary care for women with emphasis on preventive care and periodic screening will also be covered. Student evaluations are based on the Clinical Component – 70% subjective, 25% step exam, 5% internal assessment (includes attendance, assigned clinical education completion, such as AMBOSS)

CC 3006: Psychiatry (6 Weeks). Emphasis on major psychiatric syndromes. Students will work on a multidisciplinary team and are required to be able to employ the bio-psycho-socio-cultural model of assessments and treatments for patients with psychiatric illness. Student evaluations are based on the Clinical Component – 70% subjective, 25% step exam, 5% internal assessment (includes attendance, assigned clinical education completion, such as AMBOSS)

CC 4006: Family Medicine (6 Weeks). Strengthen basic skills such as interviewing, history taking, physical examination, and physical diagnosis. The assessment and management of both routine and complicated medical conditions will be integrated with the application of the principles of quality, cost-effective health care, patient education, and health promotion. Student evaluations are based on the Clinical Component – 70% subjective, 25% step exam, 5% internal assessment (includes attendance, assigned clinical education completion, such as AMBOSS)

V.D.2. Elective rotations (24 weeks):

Students can choose their specialty of interest from a list of specialties listed in the table below

Pre-requisite: For anatomy- all core clerkships; For the rest of the specialties- third year clinical medicine

Credit hours: Four (4) for each specialty

Days offered: Monday to Friday for each specialty

Duration: 4 weeks for each specialty

Meeting time: 8 am to 5 pm

Evaluation: 95% subjective, 5% internal assessment (includes attendance, assigned clinical education completion such as Amboss)

Specialty	Description
Anatomy	This elective offers the student the opportunity to develop an understanding of select regions of the human body. Emphasis on functional and clinical correlations is provided. Students will consolidate their learning by assisting in the laboratory instruction of the Gross Anatomy class.
Anesthesiology	This elective is designed to provide an experience in the selection and conduct of anesthesia. Attention will be given to the preoperative evaluation of the patient, the actual conduct of the anesthetic procedure, and post-anesthetic management of routine and complicated patients. Different types of anesthesia and their unique applications will be covered. There will be opportunities to improve competence in the performance of basic clinical skills; special emphasis will be given to develop skills in airway management and resuscitation techniques.
Cardiology	This elective is a clinical experience during which the student and physician join the cardiovascular health care team, developing the student's skills which are useful in the diagnosis and management of cardiovascular disease. The student will participate in the evaluation and management of a wide variety of cardiology cases. Emphasis will be placed on the proper history, physical examination, laboratory, and x-ray studies of the adult cardiac patients, by team approach on interdisciplinary service. The student will improve physical examination skills and understand the pharmacology and indication for the use of commonly employed cardiovascular drugs.
Cardiovascular surgery	This elective is designed to familiarize students with day to day management of patients suffering from cardiovascular diseases. In the clerkship, the student will work as a junior intern under the supervision of his proctor. The student will observe the responsibility and privilege of managing patients with a wide variety of cardiothoracic and vascular disorders. In addition to this, the student will be given the opportunity to observe the work of the cardiovascular anesthesiologist, cardiologists in the cardiac catheterization laboratory and the post-operative care in the cardiovascular intensive care unit.
Clinical pharmacology	This elective is designed to introduce the student to the principles of pharmacotherapy, including therapeutic drug monitoring, as these principles apply to the clinical setting. The student will enhance its ability to apply pharmacological principles to clinical medicine and be introduced to the resource materials available for information on drugs, drug therapy, drug literature evaluation and communication of drug information to health care professionals. In addition, the student will be familiarized with the principles of drug absorption, distribution, and elimination as they apply to patients with different diseases and of varying age groups, and the principles of antimicrobial therapy.
Dermatology	The dermatology clerkship is designed to provide the student with an extensive, in-depth exposure to clinical dermatology. Students will be involved in the evaluation and management of patients in the adult, pediatric, and surgical dermatology clinics. Clerkship students also do the initial evaluation of inpatients on the dermatology consultation service and participate in the management of these inpatients. Participation in daily morning conferences prior to clinic hours provides students with didactic instruction through exposure to the current dermatology literature, review of materials, and slide review sessions

ENT	This elective lays emphasis on training students in all areas of otolaryngologic practice. Head and neck surgery, facial plastics, sinus surgery, and sleep surgery.
Emergency medicine	This elective offers the unique opportunity to study the wide variety of problems in the Emergency Room. Students will function as primary emergency physicians under the supervision of an attending physician, and will be responsible for the evaluation, treatment and disposition, as well as any procedures. Students will gain experience in the examination and treatment of multiple patients at varying levels of acuity and complexity. Training and experience in medical procedures is emphasized. The student will be able to see the stabilization, disposition and proper referrals when it applies.
Family medicine	The Family Practice elective has been designed to provide students a general overview, an experience involving fundamental aspects of family medicine. Preventive practices, health maintenance, initial evaluation, treatment of hospitalized patients and patient education issues will be explored. The student will participate in the care of patients as well as developing a treatment and follow-up plan under the supervision of an attending physician.
Gastro-enterology	The student will receive clinical experience in the diagnosis and management of patients with gastrointestinal problems. Specialized exam techniques and clinical management skills are emphasized. Detailed history and physical examination and differential diagnosis, and management of gastrointestinal cases are the core of the experience.
General surgery	This elective offers the students the opportunity to participate in pre- and post-operative diagnosis and management of the most frequent cases of surgery. The general purpose of this elective is to involve the students in the initial work-up of patients, assisting in surgery as well as participating in the emergency room. It helps the students to develop basic skills in taking medical records, physical examination, and discussion of differential diagnosis pertinent to the field of general surgery.
Infectious diseases	Students who take this elective will enhance their ability to care for patients with infections or suspected infections, emphasizing etiology, epidemiology, pathogenesis, clinical diagnosis, treatment, and prevention. They will substantially expand their knowledge of antibiotics and their ability to use them correctly and will further develop their infectious diseases and general clinical problem-solving skills.
Internal medicine (Ambulatory)	The students will have the opportunity to see patients on the "front line" as they present with their acute illness, perform their initial workup, as well as a diagnostic and therapeutic plan under the supervision of their proctor. The student will develop the ability to diagnose and treat important illnesses and common symptoms seen in primary care and understand the social and emotional context in which illnesses occur. In addition, the students will refine skills in taking careful history and performing a good Internal Medicine physical examination.
Nephrology	The Nephrology clerkship is designed to provide the student with an introduction to the pathophysiologic basis of renal disease. Clinical relevance of the pathophysiologic process is emphasized. Focus is on active student participation in the diagnosis and management of patients with acute and chronic renal disease under the close supervision of faculty. In addition, elaboration on the principles of fluid and electrolyte therapy, as well as the diagnosis and management of hypertension, will be an integral part of the clerkship rotation. Patients with chronic renal failure often present with diseases involving multiple organ systems.
Neurology	Students will review the neurological examination and study the most common treatment and prognosis in the field, and learn the treatment for common neurological problems, including neurological emergencies. They will participate in the diagnostic work-up and follow-up of patients and are expected to be able to independently search the literature for various neurological problems.
ObGyn	This elective exposes students to basic skills in the diagnosis and management of pregnancy and common gynecologic problems. The training is supervised by the faculty at all sites. The goal of the program is to develop within students the knowledge, skills, maturity, and judgment required to provide excellent patient care in both the physical and emotional aspects of gynecologic and obstetric practice.

Ophthalmology	The elective includes didactic instruction, participation in the outpatient clinic, and observation of surgery. This clerkship is designed for qualified students to take increasing responsibility with patients. Students will be expected to learn how to use major diagnostic equipment, to perform a thorough eye exam and to recognize common ocular diseases, and to provide initial management of ocular emergencies.
Orthopedics	The objective of this elective is to expose students to the usual problems presented at a general orthopedic service. Throughout the elective, emphasis will be given to the recognition and evaluation of orthopedic conditions that require daily diagnosis and treatment. Learn basic principles of managing open and closed fractures, dislocations and subluxations. Students will be taught how to describe the clinical and radiological features of fractures. They will also gain knowledge about vascular, neurological and musculoskeletal complications of fractures.
Pain management	Relates the anatomy, physiology, biochemistry and psychosocial components of pain to the understanding and care of patients with acute, chronic, or cancer pain. Students are involved with faculty on a one-to-one basis while interviewing, examining, and treating patients. Students may also learn to perform epidural, spinal, and peripheral nerve blocks.
Pathology	This elective will introduce the student to the role of tissue examination in modern medicine. The student will be involved with both the gross and microscopic aspects of surgical and/or autopsy pathology. During this clerkship, the student will be involved in a variety of experiences, including correlation of gross, histopathologic, and cytopathologic (when applicable) findings with the clinical presentation of the patient, as well as the pathophysiologic mechanisms involved will be emphasized.
Pediatrics	This elective is designed to provide further exposure to the field of General Pediatrics, as pertains to the well-rounded formation of a primary care physician. The student will further develop the clinical knowledge, diagnostic, management and procedural skills necessary to establish an appropriate diagnostic work-up and management strategies in a pediatric patient. The student will also obtain a complete medical history, perform a thorough medical examination, and formulate a working diagnosis for the most common illnesses encountered in pediatric patients will be emphasized.
Preventive medicine	Provides senior medical students an opportunity to learn firsthand the principles and applications of general preventive medicine, occupational medicine, public health and quality improvement. This is accomplished with clinical and field experiences as well as interactive exercises pertinent to the specialty. Experiential learning forms the backbone of this rotation.
Pulmonary	This elective will provide an overview of the evaluation and management of adults with a variety of acute and chronic diseases of the respiratory system. During this rotation, the student should improve his or her ability to elicit an appropriate history concentrating on the cardinal symptoms of respiratory illnesses, perform an exam of the respiratory system, and interpret the significance of findings. Exam findings and history will be combined with additional tests such as X-ray, pulmonary function, and arterial blood gas studies to formulate an appropriate differential diagnosis and management plan.
Psychiatry	During this elective, the students will become skilled at performing a comprehensive history and physical examination (when appropriate). This includes the performance of a mini-mental status examination. They will also develop a comprehensive treatment plan, including awareness of the psychopharmacologic agents, indications and significant adverse effects. Students will be taught how to evaluate and manage psychiatric emergencies. Demonstrate appropriate professional demeanor and ethics and respect for patients' confidentiality.
Radiology	This is an introductory course to general diagnostic radiology. Students will be exposed to the basic principles of radiation physics, including image production, radiation protection, and types and purposes of contrast material. They will gain knowledge on ordering radiology examinations appropriately and judiciously. Students will also learn to distinguish normal from abnormal findings on plain radiographic examinations. Students should be able to use radiographic findings to narrow differential diagnoses or to develop a tentative diagnosis.
Urology	This elective is designed to provide students with a broad background in clinical aspects of urology. This includes current developments in patient management as well as various areas of research in the specialty. The urology clerkship should enable students to decide whether they are interested in a career in urology and the best way to prepare themselves to attain that goal.

VI. List of textbooks

MD Basic Sciences (MD 1, 2, 3 & 4)

1. ANATOMY

- a. CLINICALLY ORIENTED ANATOMY by Keith L. Moore, Arthur F. Dalley, Arthur F. Dalley and Anne M.R. Agur, Published by Lippincott, Williams and Wilkins, Edition 9 ISBN-13: 9781975209544 ISBN-10: 1975209549

2. BEHAVIORAL SCIENCE

- a. Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health, by D. L. Katz, J. G. Elmore, D. M.G. Wild, & S. C. Lucan. Elsevier Health Sciences, Fifth Edition ISBN-13: 9780323642019 ISBN-10: 0323642018
- b. Basic & Clinical Biostatistics, Fifth Edition. ISBN-13: 9781260455366 ISBN-10: 126045536X

3. BIOCHEMISTRY

- a. Lippincott Illustrated Reviews: Biochemistry (Lippincott Illustrated Reviews Series) Eighth, North American Edition by Emine E Abali, Susan D Cline, David S Franklin, Susan M Viselli ISBN-13: 9781975155063 ISBN-10: 1975155068
- b. Harper's Illustrated Biochemistry Thirty-Second Edition by Victor Rodwell, David Bender, Kathleen Botham, Peter Kennelly, P. Anthony Weil. ISBN-13: 9781264795673 ISBN-10: 1264795678

4. CLINICAL SKILLS

- a. Bate's Guide to Physical Examination and History Taking, by Lynn S Bickley, Peter G Szilagyi, Richard M Hoffman, Rainier P Soriano. 13th edition ISBN-13: 9781975210878 ISBN-10: 1975210870

5. EMBRYOLOGY

- a. The Developing Human – Clinically Oriented Embryology by Keith L. Moore and T.V.N. Persaud, Published by Saunders – Elsevier, Edition 10 ISBN-13: 9780323313384 ISBN-10: 0323313380

6. GENETICS

- a. Thompson & Thompson Genetics and Genomics in Medicine (9th Ed.) by Ronald Cohn, Stephen Scherer and Ada Hamosh. Elsevier ISBN-13: 9780323547628 ISBN-10: 0323547628

7. HISTOLOGY

- a. Junqueira's Basic Histology: Text and Atlas, 17e. Anthony L. Mescher Publisher: McGraw-Hill Education ISBN-13: 9781266021398 ISBN-10: 1266021398

8. IMMUNOLOGY

- a. Lippincott Illustrated Reviews: Immunology Third, North American Edition by Thao Doan, Roger Melvold, Susan Viselli, Carl Waltenbaugh. ISBN-13: 9781975151331 ISBN-10: 1975151333
- b. Cellular and Molecular Immunology by Abul Abbas, Andrew Lichtman, Shiv Pillai, 11th Edition ISBN-13: 9780323757508 ISBN-10: 0323757508

9. MEDICAL ETHICS

- a. Resolving Ethical Dilemmas: A guide for Clinicians Sixth Edition, by Bernard Lo. Lippincott Williams & Wilkins, a Wolters Kluwer. ISBN-13: 9781975103545 ISBN-10: 1975103548

- b. Medical Law & Ethics, 6th Ed." "Resolving Ethical Dilemmas: A Guide for Clinician, 6th Ed"
- c. "Medical Ethics for Dummies

10. MICROBIOLOGY

- a. Lippincott's illustrated reviews: Microbiology 5th edition Author: Cynthia Nau Cornelissen Paperback ISBN-13: 9781975233419 ISBN-10: 1975233411

11. NEUROSCIENCE

- a. Essential Neuroscience by Allan Siegel, Wolters Kluwer, Fourth edition ISBN-13: 9781496382405 ISBN-10: 1496382402 Snell's
- b. Clinical Neuroanatomy (9th Edition) ISBN-13: 9781975195946 ISBN-10: 197519594X

12. NUTRITION

- a. Understanding Normal And Clinical Nutrition (11th Ed.) by Sharon Rady Rolfes, Kathryn Pinna, Elley Whitney. Cengage Learning. ISBN-13: 9781337098069 ISBN-10: 1337098066

13. PATHOLOGY

- a. Robbins & Kumar Basic Pathology (11th Edition) by Vinay Kumar, Abul K. Abbas, Jon C. Aster MD and Andrea T Deyrup. ISBN-13: 9780323790185 ISBN-10: 0323790180

14. PHARMACOLOGY

- a. Pharmacology (Lippincott Illustrated Reviews Series) 8th Edition by Karen Whalen. ISBN-13: 9781975170585 ISBN-10: 1975170583

15. PHYSIOLOGY

- a. Physiology, by Linda S. Costanzo. 7th edition. ISBN-13: 9780323793339 ISBN-10: 0323793335

16. PREVENTIVE MEDICINE

- a. Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health, by D. L. Katz, J. G. Elmore, D. M.G. Wild, & S. C. Lucan. Elsevier
- b. Health Sciences, Fifth Edition ISBN-13: 9780323642019 ISBN-10: 0323642018 "Basic & Clinical Biostatistics, Fifth Edition." ISBN-13: 9781260455366 ISBN-10: 126045536X
- c. Maxcy-Rosenau-Last Public Health & Preventive Medicine, 16th Edition, by Robert B. Wallace. ISBN-13: 9781259644511 ISBN-10: 1259644517

Premedical Sciences (PM 1,2,3,4)

PM1

1. General Biology
 - a. Biology: Life on Earth with Physiology, 13th edition Published by Pearson ISBN-13: 9780138248435 ISBN-10: 0138248434
2. General Chemistry
 - a. The Princeton Review MCAT General Chemistry Review, 5th Edition. ISBN-13: 9780593516256 ISBN-10: 059351625X
3. Precalculus Math
 - a. Precalculus: A Right Triangle Approach; MyLab Math with Pearson eText Access Code 6th Edition by J. S. Ratti, Marcus McWaters, Leslaw Skrzypek, Jessica Bernards, Wendy Fresh. ISBN-13: 9780137519217 ISBN-10: 0137519214
4. English
 - a. Communication Skills for the Healthcare Professional, Second edition, McCorry, L., Mason, J, Wolters Kluwer ISBN-13: 9781496356789 ISBN-10: 1496356784
 - b. Writing in the Sciences: Exploring Conventions of Scientific Discourse 3E (2010) - Open Access Version (2020); Parlor Press. ISBN: 978-1-64317-186-9

PM2

1. Basic Anatomy and Physiology
 - a. Biology: Life on Earth with Physiology, 12th edition Published by Pearson (December 26th 2019). Gerald Audesirk, Teresa Audesirk, Bruce E. Byers ISBN-13: 9780135755785 ISBN-10: 0135755786
2. Organic Chemistry
 - a. The Princeton Review MCAT Organic Chemistry Review, 5th Edition (Published November 4, 2025). ISBN-13: 9780593518847 ISBN-10: 059351884X
3. Physics
 - a. MCAT Physics and Math Review 2026-2027: Online + Book (Kaplan Test Prep). ISBN-13: 9781506297491 ISBN-10: 1506297491

PM 3

1. Introduction to Histology
 - a. Junqueira's Basic Histology: Text and Atlas, 16e. Anthony L. Mescher Publisher: McGraw-Hill Education ISBN-13: 9781260462982 ISBN-10: 1260462985
2. Behavioral Sciences
 - a. My Psychology by Andrew M. Pomerantz 3rd Edition ISBN-13: 9781319339449 ISBN-10: 131933944X

Introduction to Behavioral Science in Medicine. ISBN: 978-0-387-90736-9

3. Introduction to Biochemistry

- a. Lippincott Illustrated Reviews: Biochemistry (Lippincott Illustrated Reviews Series) Eighth, North American Edition by Emine E Abali, Susan D Cline, David S Franklin, Susan M Viselli ISBN-13: 9781975155063 ISBN-10: 1975155068 Harper's Illustrated Biochemistry Thirty-Second Edition by Peter J. Kennelly, Kathleen M. Botham, Owen McGuinness, Victor W. Rodwell, P. Anthony Weil. ISBN-13: 9781260469943 ISBN-10: 1260469949

4. Biostatistics

- a. An Introduction to Epidemiology for Health Professionals, by Jorn Olsen et al. ISSN 1869-7933 ISBN 978-1-4419-1496-5 Epidemiology and Biostatistics: An Introduction to Clinical Research, by Bryan Kestenbaum, MD MS, University of Washington, Seattle 2nd Edition. . ISBN: 978-3-319-96642-7, ISBN 978-3-319-96644-1

5. Introduction to Microbiology

- a. General Microbiology. Linda Bruslind. Oregon State University Ecampus.

PM 4

1. Introduction to Anatomy

- a. Clinically oriented Anatomy by Keith L. Moore, Arthur F. Dalley, Arthur F. Dalley and Anne M.R. Agur, Published by Lippincott, Williams and Wilkins, Edition 9 ISBN-13: 9781975209544 ISBN-10: 1975209549

2. Introduction to Physiology

- a. Introduction to Physiology: A visual analogy guide to human Physiology. 4th edition Author: Paul A. Krieger Paperback ISBN-13: 9781640431416 ISBN-10: 1640431411

3. Introduction to Immunology

- a. Cellular and Molecular Immunology by Abul Abbas, Andrew Lichtman, Shiv Pillai, 10th Edition, eBook ISBN: 9780323757508, Paperback ISBN: 9780323757485

4. Introduction to Physical Diagnosis

- a. Introduction to Clinical history and physical examination: Bates's Pocket guide to Physical examination and history taking. 9th edition by Lynn S. Bickley. Paperback ISBN-13: 9781975109875 ISBN-10: 1975109875 Imprint: Wolters Kluwer

5. Medical Terminology

- a. Medical Terminology: A Short Course, 8th Edition. ISBN-13: 9780323835770 ISBN-10: 032383577