

**2019-2020 HS Core**

<b>CREDIT TYPE</b>	<b>COURSE NAME</b>	<b>ACCN</b>	<b>CR</b>	<b>Term(s)</b>	<b>CLASS TIMES</b>	<b>PRE-REQUISITES</b>	<b>COURSE DESCRIPTION</b>
HEA	Health Today and Tomorrow	HLE1000	0.5	Q1/Q3/Q4	Online	None	Students will develop skills that promote and protect the health of themselves and others. Topic areas include mental and emotional health, healthy eating and physical activity, personal health and wellness, safety and prevention of injury and violence, promotion of a tobacco, alcohol, and drug-free lifestyle, sexual health and responsibility, and environmental impacts on health.
LA	AP English Language and Composition	LAY6010	1	Y1	Online	Teacher recommendation (English 2)	This course engages students in becoming skilled readers of prose written in a range of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. All language arts benchmarks are addressed in this course. Students read primary and secondary source material and synthesize what they have read in expository, analytical, and argumentative writing of the kind that is expected in college.
LA	AP English Literature and Composition	LAY6100	1	Y1	Online	Teacher recommendation (English 3 or AP Lang)	This course engages students in the careful reading and critical analysis of literary texts. All language arts benchmarks are addressed in this course. Students read representative works from various genres and periods, concentrating on works of recognized literary merit. In discussions and in their writing, students experience, interpret, and evaluate what they have read.
LA	English 1A / 1B	LCH1011/ LCH1012	0.5/ 0.5	Q1/Q2	Online	Grade 9	This course explores cultural themes by using primary sources, historical accounts, contemporary and classical literature. The study of literature gives students an opportunity to read, interpret, and respond to literature personally and critically. Our study of language will focus on how it is used in relevant social contexts and by individuals to structure their perceptions and experiences. Both the readings and writing assignments will focus on interpretation of content, analysis and critical thinking. Students will discuss, recognize, and critically evaluate writing as a way to obtain and communicate information.

**2019-2020 HS Core**

LA	English 2A / 2B (American Literature)	LCH2011/ LCH2012	0.5/ 0.5	Q3/Q4	Online	Grade 10	This course examines various themes by reading culturally diverse selections within a variety of genres and explores the literary treatment of human relations in a multicultural society. Learning will be enhanced through multimedia presentations, textual insight and audio readings of excerpts. Students learn to make conscious choices to clarify and shape their thinking, communicate with each other, and evaluate the effectiveness of their choices. This course presents a variety of poems, short stories, excerpts of novels, as well as historical accounts related to concepts of technology, language, independence, change, nature and choice. American Literature
LA	English 3A / 3B (World Literature and Expository Writing)	LWH5211/ LCH3012	0.5/ 0.5	Q3/Q4	Online	Grade 11	This course begins by analyzing classic and contemporary world literature in the form of short stories, poetry and drama. Students will interpret literary sections as they relate to historical, political and cultural settings. Relevant themes will be explored and connected to 21st century life. Students will discuss, recognize and critically evaluate literature through writing using evidence from the content and applying personal experiences. The second section of the course will focus on expressive sequential essay writing. Students will research, draft and critique as part of the writing process.
LA	English 4A / 4B (British Literature)	LCH4011/ LCH4012	0.5/ 0.5	Q1/Q2	Online	Grade 12	This course focuses on British Literature while providing a balanced program of reading and writing. Students will develop greater precision and refinement in their writing skills by completing tasks which require them to read texts and to conduct independent research in order to extract and construct meaning. Through this course, students will learn how to interpret and respond to literature personally and critically.
LA	Dual Credit- English Composition 1	ZLS1001	1	S1/S2	Face to Face	Grade 11 or 12. Minimum CUM GPA of 3.0. See counselor for more information. This class is taken at your local UH Community College.	** Reference specific Community College within the University of Hawaii system for information on this course **

**2019-2020 HS Core**

MA	Algebra 1A/1B	MAX1165/ MAX1175	0.5/ 0.5	S1/S2	Online		Algebra 1A content includes data analysis, linear functions, linear equations and inequalities, systems of equations in two variables, and matrices. NOTE: The HCPS III benchmarks for Algebra 1 are assessed on the Hawaii State Assessment in Grade 10. Algebra 1B content includes nonlinear functions, exponents, products and factors of polynomials, quadratic equations, the real number system, and radical expressions.
MA	Geometry A/B	MGX1160/ MGX1170	0.5/ 0.5	S1/S2	Online		The emphasis of this course is on the understanding and use of relationships among points, lines, and figures. These include properties of various figures, relations among lines such as parallelism, intersections, concurrency and perpendicularity, and relations among figures such as congruence, similarity, and symmetry. Students will apply the mathematical concepts to everyday life, and incorporate problem-solving techniques with their environment. Concepts and processes introduced in Geometry A are further developed and extended to include the following content: right triangle relationships, trigonometric relationships, circle relationships, three-dimensional figures, coordinate geometry, and transformations. Students will apply the mathematical concepts to everyday life, and incorporate problem-solving techniques with their environment.
MA	Algebra 2A/2B	MAX1210/ MAX1220	0.5/ 0.5	S1/S2	Online	Successful Completion of Algebra 1A/1B	Algebra 2A extends the algebraic skills and knowledge developed in Algebra 1B by exploring the real number system in greater depth, providing exposure to various algebraic techniques, and developing the concept of function, including graphing techniques and inverse functions. Students will explore the properties and significance of quadratic functions as well as learning to dissect and expand equations in order to solve problems. Algebra 2B includes quadratic relations and systems, polynomial equations, exponents and logarithms, sequences and series, matrices and determinants, and permutation and combinations. Students will explore the relationship between real-world events and sequences and series in order to understand probability of occurrences.

## 2019-2020 HS Core

MA	Pre-Calculus	MCX1020	0.5	S1	Online	Successful completion of Algebra 2A/2B	This course extends the study of elementary functions. Graphs and properties of algebraic functions, transcendental functions, and the conics are studied. Graphing with polar coordinates is included. Additional emphasis is placed on integration of appropriate technology (e.g., graphing calculators and computer applications).
MA	Trigonometry	MCX1010	0.5	S2	Online	Successful completion of Pre-Calculus	Designed for students who have a two-year background in algebra, including some coordinate geometry, this course provides intensive study of trigonometric functions, fundamental identities, trigonometric equations, inverse trigonometric functions, and applications including vectors, trigonometric and polar forms of complex numbers.
MA	AP Calculus AB	MCA1041/ MCA1042	1	Y1	Online	Teacher Recommendation	The Advanced Placement (AP) Calculus AB includes elementary functions and assumes that students have strong backgrounds in algebra, geometry, trigonometry, and analytic geometry. The course is implemented using the recommended course syllabi provided through the Advanced Placement program of the College Board.
MA	AP Statistics	MCA1050	1	Y1	Online	Teacher Recommendation	This course will introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and making statistical inferences. This course should follow recommended course syllabi provided through the Advanced Placement program of the College Board.
MA	Dual Credit-Survey of Mathematics	ZMR1000	1	S1/S2	Face to Face	Grade 11 or 12. Minimum CUM GPA of 3.0. See counselor for more information. This class is taken at your local UH Community College.	** Reference specific Community College within the University of Hawaii system for information on this course **

**2019-2020 HS Core**

PE	Physical Education Lifetime Fitness	PEP1005	0.5	Q1-Q4	Online	Grade 9	This course is designed to integrate physical activity and personal fitness by exposing students to the wide range of physical activity resources available in their school and community. Students will self-assess their personal fitness level, document their physical activity and develop a personal fitness plan by understanding and making goals, using correct techniques of exercising and preparing the appropriate diet and nutrition for the individual student.
PE	Physical Education Lifetime Activities	PEP1010	0.5	Q1-Q4	Online	Grade 10	This course develops and strengthens physical movement forms, concepts, principles, and skills through participation in a variety of physical fitness experiences, including target, net, field, invasion, and aquatic sports and games. Students will assess personal levels of physical fitness that reinforce these physical activities in their daily lives. Students should develop and apply a variety of locomotor and non-locomotor movement skills throughout the course to a range of modified games and lead-up activities. The content of this course should empower learners to actualize a vision of themselves as competent movers with the skills, knowledge, and desire to become life-long participant in physical activities.
PE	Physical Education Lifetime Fitness - Community Based	PEP1005(1)	0.5	Y1	Face to Face	Contact counselor to enroll into this course.	Community PE is a credit/no credit course that meets Hawaii's physical education content and performance standards. It provides students with a direct opportunity to learn a variety of skills, movements, strategies, tactics, and most importantly how to maintain an overall healthy lifestyle. This course is directly supervised by a school faculty member, and students must get approval prior to the start of an activity. Students will be able to earn 1 PE credit towards graduation requirements.
PE	Physical Education Lifetime Activities - Community Based	PEP1010(1)	0.5	Y1	Face to Face	Contact counselor to enroll into this course.	Community PE is a credit/no credit course that meets Hawaii's physical education content and performance standards. It provides students with a direct opportunity to learn a variety of skills, movements, strategies, tactics, and most importantly how to maintain an overall healthy lifestyle. This course is directly supervised by a school faculty member, and students must get approval prior to the start of an activity. Students will be able to earn 1 PE credit towards graduation requirements.

**2019-2020 HS Core**

SCI	Physical Science	SPH2603	1	S2	Online	Grades 11-12	Physical Science is a laboratory course that integrates major theories traditionally learned separately in Chemistry, Physics, and Earth Systems Science. Students use scientific investigation and study relationships between science, technology, and society to understand chemistry concepts that include physical and chemical properties of matter, the physical and chemical changes of matter, and the conservation of matter and energy; physics concepts focus on different forms of energy and energy transformations, relationships between force, mass and motion of objects and understanding the major natural forces of gravitational, electrical and magnetism. Students are to meet all benchmarks in Physical Science (P.S.) Content Standards 1, 2, 6, and 7.
SCI	Biology 1	SLH2203	1/1	S1/S2	Online	Grades 9-10	Biology 1 is a laboratory course to develop understanding of fundamental life processes, relationships between structure and function, and relations between organisms and their biological and physical environments, their environmental adaptations, classification, reproductions, genetics, and evolution. Emphasis is on the use of scientific investigations to develop inquiry process skills and strategies and to clarify the basic concepts of life and the impact of humans and technology on the quality of life. Students are to meet all benchmarks in Biological Science Content Standards 1-5.
SCI	Chemistry	SPH3503	1/1	S1/S2	Online	Grades 9-11	This course is a standard high school chemistry course which is laboratory and inquiry based. Emphasis is on the use of scientific investigations to develop inquiry process skill and strategies to clarify the basic chemistry concepts. Concepts include types of chemical reactions, conservation of energy, entropy, thermal energy and phase changes, periodic table organization, chemical reaction rates, chemical bonding, and nuclear reactions.

## 2019-2020 HS Core

SCI	Environmental Science	SIH3603	1	S1	Online	Completed and earned passing grade in Biology	In this course, students first study processes that are important to global weather and climate patterns, and how humans are impacting these processes. Next, students examine climate model projections on future climate change for the Pacific Ocean area and investigate the consequences projected climate change will have on Hawaii's temperature, rainfall, susceptibility to storms and hurricanes, groundwater resources, sea level, and economy. Finally, students evaluate alternate solutions and take appropriate actions to establishing an improved global environment.
SCI	Physics A/B	SPH5603	1	S2	Online	Successful completion of Pre-Calculus and Trigonometry	This is a standard high school laboratory physics course that focuses on a conceptual understanding of thermodynamics, waves, optics, matter and energy, different forces and how they change the motion of objects, and distinguishing among the three major natural forces: gravitational, electrical and magnetic in context with scientific investigation and relationships between science, technology, and society. Students are to meet all benchmarks in Physical Science (P.S.) Content Standards 1, 2, 7, and related benchmarks in standard 6.
SCI	AP Biology	SLH8003	1	Y1	Online	Successful completion of Biology. Teacher Recommendation	AP biology is comparable to a first year college-level course that emphasizes developing an understanding of concepts and science as a process, recognizing unifying themes that integrate and apply critical thinking to environmental and social concerns, and using extensive laboratory experience to clarify underlying principles of biology.
SCI	AP Chemistry (Eschool)	SPH5003	1	Y1	Online/ Face to Face	Required: Face-to-face participation. Oahu students only. Successful completion of Chemistry. Teacher Recommendation	This course is an equivalent of the general chemistry course usually taken during the first college year. Emphasis is on mathematical formulation of principles and laboratory activities based on experimental problems and independent study. Concepts and principles studied in depth include atomic theory and structure, chemical bonding, nuclear chemistry, gases, liquids and solids, solutions, stoichiometry, reaction types, equilibrium, kinetics, thermodynamic relations, and chemical calculations.

**2019-2020 HS Core**

SCI	AP Environmental Science (Eschool)	SIH3903	1	Y1	Online/ Face to Face	Required: Face-to-face participation. Oahu students only. Successful completion of Environmental Science. Teacher Recommendation	AP Environmental Science is designed to be the equivalent of a one-semester, introductory college course in environmental science, stressing scientific principles and analysis through inquiry and laboratory experiences. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze both natural and human-induced environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary: it embraces a wide variety of topics from different areas of study.
SCI	AP Physics (Eschool)	SPH7503	1	Y1	Online/ Face to Face	Required: Face-to-face participation. Oahu students only. Successful completion of Physics. Teacher Recommendation	This course is an equivalent of the general physics course usually taken during the first college year. Independent laboratory experimentation leads to generalizations, use of graphing in data analysis, and greater precision in measurement. Content area and concepts in mechanics, electricity and magnetism are studied in greater depth and include Newtonian Mechanics, Fluid Mechanics and Thermal Physics, Electricity and Magnetism, Waves and Optics, and Atomic and Nuclear Physics. Students should have skills in the use of trigonometric functions and graphing calculators.
GUID	CAREER AND ACADEMIC PLANNING GRADE 9	TGG1106	0.5	S1	Online	Grade 9	This course aligns to the Hawaii Content and Performing Standards III Career Planning standard. The goal is to enable students to explore and understand educational and career options in order to develop and implement personal, educational, and career goals. The curriculum in grade 9 emphasizes Self-Assessment and Discovery.
GUID	CAREER AND ACADEMIC PLANNING GRADE 10	TGG1107	0.5	S2	Online	Grade 10	This course aligns to the Hawaii Content and Performing Standards III Career Planning standard. The goal is to enable students to explore and understand educational and career options in order to develop and implement personal, educational, and career goals. The curriculum in grade 10 emphasizes Decision-Making & Employment.

**2019-2020 HS Core**

GUID	CAREER AND ACADEMIC PLANNING GRADE 11	TGG1108	0.5	S2	Online	Grade 11	This course aligns to the Hawaii Content and Performing Standards III Career Planning standard. The goal is to enable students to explore and understand educational and career options in order to develop and implement personal, educational, and career goals. The curriculum in grade 11 emphasizes College and Career portfolio.
PTP	PERSONAL TRANSITION PLAN GRADE 12	TGG1105	0.5	S1	Online	Grade 12	This semester credit is required for graduation. It provides students with knowledge and skills in learning about themselves, exploring life goals, careers and occupations, relating school subjects to future career needs, and making tentative long and short-range educational and/or career plans. Credit will not be awarded until such time that the student, in Grades 9-12, provides documentation that he/she has met the Hawaii Content and Performance Standards in Career and Technical Education standards for Career Planning.
SS	Anthropology	CSD2400	0.5	Q2/Q3	Online	Grades 10-12	This course uses the tools and methods of the cultural anthropologist to examine the systems, diversity, commonality and dynamics of different world cultures, as well as, looking at the economic, geographic, and social patterns from cross-cultural perspectives. Students will engage in the analysis and evaluation of the ways in which groups change and interact globally.
SS	Geography	CSD2100	0.5	Q2/Q3	Online	Grades 10-12	This course develops understanding of geographic terms, classification systems, specific locations and regions, human interaction, and the environment. Students explore present and past societies through geographic tools and methods used to evaluate ecosystems, human patterns, and consequences of human activities on Earth.

**2019-2020 HS Core**

SS	Modern History of Hawaii	CHR1100	0.5	Q1/Q3	Online	None	This course examines how the decisions of the past account for and impact the circumstances in today's Hawaii, as well as, the technological and multi-cultural development within the islands. Students will use the tools and methods of a social scientist to conduct in-depth historical inquiry that focuses on the geographic, socio-political and economic structures of the interactions and interrelationships that have shaped and continue to influence major decisions facing Hawaii.
SS	Participation in Democracy	CGU1100	0.5	Q2/Q4	Online	None	This course provides opportunities for students to actively engage in civic discourse and participation. It engages students in the examination of government, political activity, contemporary issues, decision-making and the democratic process. This course focuses on the principles, values and ideals of American constitutional government, global interactions and interconnections, and issues and roles of American citizens. Students are expected to take an active role as citizens and use the tools and methods of social scientists in their inquiry.
SS	Psychology	CSD2200	0.5	Q3/Q4	Online	Grades 10-12	This course examines the physiological and psychological basis for human behavior. It also focuses on examining research methods in psychology, exploring different learning theories, and understanding aspects of behavior disorders. Students will be able to identify the difference between theory and information that is not scientifically supported, within the context of human behavior.
SS	Sociology	CSD2300	0.5	S2	Online	Grades 10-12	In this course, students will examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

**2019-2020 HS Core**

SS	US History and Government A/B	CHU1110/ CHU1120	0.5/ 0.5	Q1/Q2	Online	<i>None</i>	This course has students examine the development of the United States through various historical concepts which include change, civics, geography, anthropology, and economic. Students will judge the past on its own terms, not by present day or current standards, to understand people in the context of their times, and to understand that standards and ideas are constantly changing. Students will examine key ideas, events, people, and movements in the United States, assisting them in developing their own personal, national, and world views necessary to make informed decisions. Students will use the tools and methodologies of the appropriate social scientists to conduct their inquiries.
SS	AP US History	CHA6100	1	Y1	Online	Teacher recommendation	This college level course present a comprehensive view of American history. The students will develop an understanding of the historical forces and processes that have influenced the development of America. The students will assess and evaluate primary historical and contemporary source material and related historical facts and interpretations. In addition, they will write analytical/comparative essays and research papers to prepare them for the Advanced Placement U.S. History Exam in May.
SS	World History and Culture A/B	CHW1110/ CHW1120	0.5/ 0.5	Q1/Q2	Online	<i>None</i>	This course examines human experience through such themes as migration, imperialism, trade, exchanges, and transfers. This course provides a foundation and a rationale for active participation in our global community. It examines diverse perspectives, encourages diverse interpretations and historical empathy, and explores global conflict and cooperation. This course engages students in historical inquiry focusing on the historic, technologic, socio-political, geographic, and economic development of past and contemporary civilizations. Students examine decisions, events, and ideas of the past to make informed judgments on contemporary issues, decisions, and events.

**2019-2020 HS Core**

SS	AP World History	CHA6300	1	Y1	Online	Teacher recommendation	This course examines the major developments of governments and cultures of the world between 400 CE and the present. The course presents an understanding of the principal themes of Global Studies and a historical perspective that include American, European, Asian, African, and Latin American civilizations. Student will use critical and interpretive skills to analyze historical evidence and view historical events from multiple perspectives and interpretations.
SS	AP Psychology (Eschool)	CSA2300	1	Y1	Online	Teacher recommendation	The aim of this course is to provide the student with a learning experience equivalent to that obtained in most college introductory psychology courses. Students learn some of the explorations and discoveries made by psychologists over the centuries. They also assess the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and socio-cultural perspectives. Specific topics may include methodology, behaviorism, neuroscience, sensation and perception, developmental psychology, and intelligence and psychological testing.
SS	Dual Credit-Survey of Psychology	ZCD1001	1	S1/S2	Face to Face	Grade 11 or 12. Minimum CUM GPA of 3.0. See counselor for more information. This class is taken at your local UH Community College.	** Reference specific Community College within the University of Hawaii system for information on this course ** Running Start: University of Hawaii - Manoa PSY 100 - Survey of Psychology An overview of the field: psychophysiology, perception, learning, cognition, stress, personality, social psychology.