

Summer

Course	Title	Credits	GenEd/Focus/Special Designation	Prerequisites	Course Description
BIOL/WGSS 350	Sex Differences in the Life Cycle	3	DB, ETH	One semester of biological science at college level or consent	Human sex differences, their biological basis and significance; genetic, hormonal, and behavioral determinants of sexual differentiation; biology of gender, sexuality, parenting, menopause, and aging. Pre: one semester of biological science.
BIOL 375	Genetics, Evolution, and Society	3	DB	275 or consent	Genetic concepts at advanced undergraduate level; genetic transmission, recombination, gene action, mutation, population and evolutionary genetics. A-F only.
ECON 130	Principles of Microeconomics	3	DS		Examination of the decision-making process of both households and firms. Analysis of the functioning of a competitive market system, using supply and demand models and the role of government in cases where the market system fails. Additional topics include the effects of international rate on the welfare of a nation and the effects of different competitive market structures on society.
ECON 321	Introduction to Statistics	3	DS		Basic elements; descriptive statistics, probability, inference, distributions, hypothesis testing, regression, and correlation analysis.
ENG 306	Argumentative Writing I	3	WI	W and either 200 or one ENG DL course, or consent.	Theory and practice of written argument; emphasis on the role of invention in argumentative discourse and on the nature of rhetorical proof.
FSHN 185	The Science of Human Nutrition	3	DB		Integration of natural science concepts basic to the study of human nutrition. Emphasis on nutrient requirements of healthy individuals, food sources, functions of nutrients.
HDFS 230	Human Development	3	DS		Concepts, issues, theories of human growth and development from conception to death; systems approaches to inquiry into factors affecting growth and development.
KRS 305	Principles of Sports Medicine	3	DB		Examines with some depth, principles of risk management and pathology of athletic injuries, major musculoskeletal structures, and concepts of evaluative skills, treatment, and rehabilitation for common athletic injuries. A-F only. Repeatable one time.
KRS 332	Emergency Care and First Aid Training	3	DB		Practicum in training of persons to become qualified in emergency care knowledge, basic life support, and first aid skills. First Aid and CPR certificates may be earned.
KRS 353	Structural Kinesiology	3	DB	PHYL103 or 141/141L or consent	Gross human anatomy, emphasizing identification and description of parts of the musculoskeletal system; selected applications to motor activity. Primarily for physical education majors, but open to others with consent.
KRS 395	Personal Health and Wellness	3	DB, ETH		Scientifically based information will be presented to help the student make decisions and take responsibility for his/her own health and health-related behaviors. The student will develop a personal, daily physical activity/exercise program, in which he/she will participate and be monitored. Repeatable one time.
MICR130	General Microbiology	3	DB	Not open to those with credit in 351 or equivalent	Role of microorganisms; how they affect people, property, and the environment. A basic survey course covering broad aspects of biochemistry, genetics, molecular biology, and physiology; host-parasite relationships, public health, bacterial, mycotic and viral diseases; epidemiology; ecology of soils and water; environmental pollution; food microbiology; industrial applications at an introductory level.
PH 201	Introduction to Public Health	3	DS		Introduces public health concepts with an emphasis on principles and tools for population health, disease prevention, health professions and healthcare systems, and public health professions and systems. A-F only.
PH 310	Introduction to Epidemiology	3		PH majors only. 201, and 210 or MATH140 or MATH 161 or higher	Lecture/discussion on the fundamental principles of epidemiology, exploring patterns of disease, threats to health and EPI methods for prevention, control, and treatment. A-F only.
PHIL 101	Morals and Society	3	DH		Philosophical attempts to evaluate conduct, character, and social practices.
PHYL 141	Human Anatomy and Physiology	3	DB	High school chemistry.	Anatomy, histology, physiology, biochemistry, genetics of human organ systems presented in integrated anatomy-physiology format. Priority to students in nursing.
PHYL 142	Human Anatomy and Physiology	3	DB	Should have an understanding of basic physiology concepts as present in 141 or equivalent.	Continuation of 141.
PHYL 301	Advanced Anatomy and Physiology	4	DB	BIOL171 and BIOL172, or any	Integrated presentation of human anatomy and physiology. An optional laboratory (PHYL 301L) is available separately.
PSY 212	Survey of Research Methods	4	DS	100	(3 Lec, 1 2-hr Lab) Survey of standard methods and related conceptual issues employed in psychological research. Both experimental and non-experimental methods will be reviewed.
PSY 225	Statistical Techniques	4	DS	100	Frequency distributions; graphic methods; central tendency; variability; correlation; reliability; tests of significance.
PSY 325	Cognitive Psychology	3	DS	100 or consent.	Mental processes of humans and other organisms. Survey of major theories and findings in cognitive psychology.
PSY 341	Social Development of Children	3	DS	240 or HDFS 230	Survey of socialization process and acquisition of social behavior.
PSY 371	Abnormal Psychology	3	DS	100. Recommended: 270.	Nature and causes of psychoses; abnormalities of intelligence; psychotherapy.
SOC 354	Survey of Medical Sociology	3	DS		Social factors in disease and treatment; illness behavior, roles of patients and healers; nature of healing professions; use of medical services; alternative systems of medical organization.

Fall					**Greyed out courses are not offered this semester**
Course	Title	Credits	GenEd/Focus/Special Designation	Prerequisites	Course Description
BIOL/WGSS 350	Sex Differences in the Life Cycle	3	DB, ETH	One semester of biological science at college level or consent	Human sex differences, their biological basis and significance; genetic, hormonal, and behavioral determinants of sexual differentiation; biology of gender, sexuality, parenting, menopause, and aging. Pre: one semester of biological science.
BIOL275	Cell and Molecular Biology	3	DB	C (not C-) or better in 171/171L and CHEM272	Integrated cell and molecular biology for life science majors. Modern advances in recombinant DNA technology.
BIOL 375	Genetics, Evolution, and Society	3	DB	275 or consent	Genetic concepts at advanced undergraduate level; genetic transmission, recombination, gene action, mutation, population and evolutionary genetics. A-F only.
BIOL402/MBBE 402	Principles of Biochemistry	4	DB	C (not C-) or better in 275/275L and CHEM 273; or consent.	Molecular basis of living processes in bacteria, plants, and animals; emphasis on metabolism of carbohydrates, lipids, proteins, and nucleic acids.
COMG 381	Interpersonal Relations	3	DS	Pre: one of 151, 170, 181, 185, 251 or 301; or consent.	Theory and research on the development, maintenance, and termination of interpersonal relationships.
ECON 130	Principles of Microeconomics	3	DS		Examination of the decision-making process of both households and firms. Analysis of the functioning of a competitive market system, using supply and demand models and the role of government in cases where the market system fails. Additional topics include the effects of international rate on the welfare of a nation and the effects of different competitive market structures on society.
ECON131	Principles of Macroeconomics	3	DS		An introduction to macroeconomics—the study of the overall economy. Topics include the determination of national income, causes and effects of inflation, unemployment, and income inequality; causes and consequences of international differences in economic growth; sources of business cycle expansions and contractions; the role of government policy in stabilizing the economy and promoting long-term growth; financial markets and monetary policy; taxes, spending, consequences of budget deficits, determination of trade imbalances, exchange rate fluctuations, and balance of payment crises.
ECON 321	Introduction to Statistics	3	DS		Basic elements; descriptive statistics, probability, inference, distributions, hypothesis testing, regression, and correlation analysis.
ENG 306	Argumentative Writing I	3	WI	W and either 200 or one ENG DL course, or consent.	Theory and practice of written argument; emphasis on the role of invention in argumentative discourse and on the nature of rhetorical proof.
FSHN 185	The Science of Human Nutrition	3	DB		Integration of natural science concepts basic to the study of human nutrition. Emphasis on nutrient requirements of healthy individuals, food sources, functions of nutrients.
HDFS 230	Human Development	3	DS		Concepts, issues, theories of human growth and development from conception to death; systems approaches to inquiry into factors affecting growth and development.
HWST 285	Lā'au Lapa'au 1	4		107 or consent	Presentation of Hawaiian medicinal herbs including basic philosophy, identification, utilization, and preparation of such herbs for human ailments.
KRS 305	Principles of Sports Medicine	3	DB		Examines with some depth, principles of risk management and pathology of athletic injuries, major musculoskeletal structures, and concepts of evaluative skills, treatment, and rehabilitation for common athletic injuries. A-F only. Repeatable one time.
KRS 332	Emergency Care and First Aid Training	3	DB		Practicum in training of persons to become qualified in emergency care knowledge, basic life support, and first aid skills. First Aid and CPR certificates may be earned.
KRS 353	Structural Kinesiology	3	DB	PHYL103 or 141/141L or consent	Gross human anatomy, emphasizing identification and description of parts of the musculoskeletal system; selected applications to motor activity. Primarily for physical education majors, but open to others with consent.
KRS 395	Personal Health and Wellness	3	DB, ETH		Scientifically based information will be presented to help the student make decisions and take responsibility for his/her own health and health-related behaviors. The student will develop a personal, daily physical activity/exercise program, in which he/she will participate and be monitored. Repeatable one time.
MEDT 151	Introduction to Medical Technology	2			Designed to acquaint students to the field of medical technology (clinical laboratory science). Repeatable one time.
MICR 351	Biology of Microorganisms	3	DB	BIOL 171 or equivalent, CHEM 272/272L; or consent. Co-requisite: 351L. Recommended: BIOL 275/275L.	Anatomy, chemistry, physiology, genetics, development, and environmental interactions of microorganisms.
MICR 431	Microbial Physiology	3	DB	351	Fundamental physiological and metabolic processes of bacteria; emphasis on growth, functions of cell structures, varieties of energy metabolism, metabolic regulation, and differentiation at the prokaryote level.
MICR/MCB 461	Immunology	3	DB	351 or BIOL172; or consent. Recommended: BIOL 275/275L.	Structure and biological actions of antigens and antibodies; fundamentals of antibody synthesis; the relation of immunology to biology and medical sciences.
PH 201	Introduction to Public Health	3	DS		Introduces public health concepts with an emphasis on principles and tools for population health, disease prevention, health professions and healthcare systems, and public health professions and systems. A-F only.
PH 202	Public Health Issues in Hawaii	3		201	Application of general public health concepts and tools with broader public health issues as they relate to the State of Hawai'i. A-F only.
PH 203	Introduction to Global Health	3		201	Introduction to the basic principles of global PH. Topics include the application of these principles to global PH issues, exploration of links between health, economic, and social status, health disparities and global interventions. A-F only.
PH 310	Introduction to Epidemiology	3		PH majors only. 201, and 210 or MATH140 or MATH 161 or higher	Lecture/discussion on the fundamental principles of epidemiology, exploring patterns of disease, threats to health and EPI methods for prevention, control, and treatment. A-F only.
PH 340	Environmental Health	3		Sophmore standing and above.	Examines a variety of issues associated with environmental effects on disease incidence, morbidity, and mortality in relation to public health prevention strategies.
PH 341	Public Health Biology and Pathophysiology	3	DB	Junior standing or higher. 201, and one of the following: BIOL 101 or BIOL171 or BIOL172 or PHYL 103 or PHYL141 or FSHN 185	Explores the biological basis of human disease and the role public health measures play in reducing both the extent and impact of chronic and acute diseases on individuals and society. A-F only. Junior standing or higher.
PH 420	Individual & Group Health Promotion	3		Sophmore standing or higher. 201 and PSY100.	Focus on the application of social and behavioral theory in health education, and how health promotion programs are constructed for various populations with an emphasis on cultural diversity and social determinants of health. A-F only.
PHIL 101	Morals and Society	3	DH		Philosophical attempts to evaluate conduct, character, and social practices.
PHYL 141	Human Anatomy and Physiology	3	DB	High school chemistry.	Anatomy, histology, physiology, biochemistry, genetics of human organ systems presented in integrated anatomy-physiology format. Priority to students in nursing.
PHYL 301	Advanced Anatomy and Physiology	4	DB	BIOL171 and BIOL172, or any	Integrated presentation of human anatomy and physiology. An optional laboratory (PHYL 301L) is available separately.
PSY 212	Survey of Research Methods	4	DS	100	(3 Lec, 1 2-hr Lab) Survey of standard methods and related conceptual issues employed in psychological research. Both experimental and non-experimental methods will be reviewed.
PSY 325	Cognitive Psychology	3	DS	100 or consent.	Mental processes of humans and other organisms. Survey of major theories and findings in cognitive psychology.
PSY 371	Abnormal Psychology	3	DS	100. Recommended: 270.	Nature and causes of psychoses; abnormalities of intelligence; psychotherapy.
SOC 354	Survey of Medical Sociology	3	DS		Social factors in disease and treatment; illness behavior, roles of patients and healers; nature of healing professions; use of medical services; alternative systems of medical organization.
TRMD 350/IS 350	Pandemic and Preparedness Response: One Health Case Study of COVID-19		DB		Examine the biological, environmental, social, economic, legal, ethical, behavioral and public health aspects of the COVID-19 pandemic from a One Health perspective. Students will gain the knowledge and skills to work across disciplines to collaboratively solve real-world problems and to address complex health and social challenges.

Spring 2024					**Greyed out courses are not offered this semester**	
Course	Title	Credits	GenEd/Focus/Special Designation	Prerequisites	Course Description	Link to Class Availability Website
BIOL 345	Parasitology	3	DB, ETH	One semester of biological science at college level or consent	The role of genetics in evolution, medicine, behavior, plant and animal breeding and technology; its impact on today's society. Not a BIOL major elective. Pre: one semester of biological science at college level or consent. (Cross-listed as CMB 351)	
BIOL/WGSS 350	Sex Differences in the Life Cycle	3	DB, ETH	One semester of biological science at college level or consent	Human sex differences, their biological basis and significance; genetic, hormonal, and behavioral determinants of sexual differentiation; biology of gender, sexuality, parenting, menopause, and aging. Pre: one semester of biological science.	Refer to Class Availability Website
BIOL 375	Genetics	3	DB	275 or consent	Genetic concepts at advanced undergraduate level; genetic transmission, recombination, gene action, mutation, population and evolutionary genetics. A-F only.	Refer to Class Availability Website
BIOL402/MBBE 402	Principles of Biochemistry	4	DB	C (not C-) or better in 275/275L and CHEM 273; or consent.	Molecular basis of living processes in bacteria, plants, and animals; emphasis on metabolism of carbohydrates, lipids, proteins, and nucleic acids.	Refer to Class Availability Website
BIOL/MBBE/MCB 408	Molecular Cell Biology II	3	DB	C (not C-) or better in 407; or consent.	Cell structure and function. Structure, chemistry, and functions of organelles and macromolecules.	Refer to Class Availability Website
BIOL 440	Psychoactive Durg Plants	3	DB	Junior standing, one semester of biological science, and either ANTH 200 or GEOG 151; or consent.	Taxonomy, ecology, biochemistry, distribution, cultural history, and contemporary use of mind-altering drug plants; examples from primitive, traditional, and modern societies.	Refer to Class Availability Website
BIOL 472/MCB 472	Biology of Cancer	3		MCB or BIOL majors only. Senior standing or higher. Pre: 407 (or concurrent) and 408 (or concurrent) or consent.	Integrative, in-depth focus on the genetics, cell biology, and molecular basis of cancer. Combination of classroom lectures and problem-based discussions in small groups. Addresses ethical implications of cancer research and treatment. A-F only.	Refer to Class Availability Website
BIOL/MBBE 483	Bioinformatics	3		BIOL 171 (or equivalent), or consent. (Once a year)	Focuses on the use of computational tools and approaches to analyze the enormous amount of biological data (DNA, RNA, protein) available today. A-F only.	Refer to Class Availability Website
COMG 381	Interpersonal Relations	3	DS	Pre: one of 151, 170, 181, 185, 251 or 301; or consent.	Theory and research on the development, maintenance, and termination of interpersonal relationships.	Refer to Class Availability Website
ECON 130	Principles of Microeconomics	3	DS		Examination of the decision-making process of both households and firms. Analysis of the functioning of a competitive market system, using supply and demand models and the role of government in cases where the market system fails. Additional topics include the effects of international trade on the welfare of a nation and the effects of different competitive market structures on society.	Refer to Class Availability Website
ECON 321	Introduction to Statistics	3	DS		Basic elements; descriptive statistics, probability, inference, distributions, hypothesis testing, regression, and correlation analysis.	Refer to Class Availability Website
ENG 306	Argumentative Writing I	3	WI	W and either 200 or one ENG DL course, or consent.	Theory and practice of written argument; emphasis on the role of invention in argumentative discourse and on the nature of rhetorical proof.	Refer to Class Availability Website
FSHN 185	The Science of Human Nutrition	3	DB		Integration of natural science concepts basic to the study of human nutrition. Emphasis on nutrient requirements of healthy individuals, food sources, functions of nutrients.	Refer to Class Availability Website
HDFS 230	Human Development	3	DS		Concepts, issues, theories of human growth and development from conception to death; systems approaches to inquiry into factors affecting growth and development.	Refer to Class Availability Website
HWST 285	Lā'au Lapa'au 1	4		107 or consent	Presentation of Hawaiian medicinal herbs including basic philosophy, identification, utilization, and preparation of such herbs for human ailments.	Refer to Class Availability Website
KRS 305	Principles of Sports Medicine	3	DB		Examines with some depth, principles of risk management and pathology of athletic injuries, major musculoskeletal structures, and concepts of evaluative skills, treatment, and rehabilitation for common athletic injuries. A-F only. Repeatable one time.	Refer to Class Availability Website
KRS 332	Emergency Care and First Aid Training	3	DB		Practicum in training of persons to become qualified in emergency care knowledge, basic life support, and first aid skills. First Aid and CPR certificates may be earned.	Refer to Class Availability Website
KRS 353	Structural Kinesiology	3	DB	PHYL103 or 141/141L or consent	Gross human anatomy, emphasizing identification and description of parts of the musculoskeletal system; selected applications to motor activity. Primarily for physical education majors, but open to others with consent.	Refer to Class Availability Website
KRS 395	Personal Health and Wellness	3	DB, ETH		Scientific based information will be presented to help the student make decisions and take responsibility for his/her own health and health-related behaviors. The student will develop a personal, daily physical activity/exercise program, in which he/she will participate and be monitored. Repeatable one time.	Refer to Class Availability Website
MEDT 151	Introduction to Medical Technology	2			Designed to acquaint students to the field of medical technology (clinical laboratory science). Repeatable one time.	Refer to Class Availability Website
MICR 351	Biology of Microorganisms	3	DB	BIOL 171 or equivalent, CHEM 272/272L; or consent. Co-requisite: 351L. Recommended: BIOL 275/275L.	Anatomy, chemistry, physiology, genetics, development, and environmental interactions of microorganisms.	Refer to Class Availability Website
MICR 431	Microbial Physiology	3	DB	351	Fundamental physiological and metabolic processes of bacteria; emphasis on growth, functions of cell structures, varieties of energy metabolism, metabolic regulation, and differentiation at the prokaryote level.	Refer to Class Availability Website
MICR/MCB 461	Immunology	3	DB	351 or BIOL172; or consent. Recommended: BIOL 275/275L	Structure and biological actions of antigens and antibodies; fundamentals of antibody synthesis; the relation of immunology to biology and medical sciences.	Refer to Class Availability Website
MICR 463	Microbiology of Pathogens	3		351/351L or consent	Fundamental mechanisms of infectious diseases at the molecular level. Emphasis on the role of genetics in host-pathogen interactions.	Refer to Class Availability Website
MICR 485	Microbes and Their Environment	3	DB	BIOL171 and CHEM 272, or consent	Distribution, diversity, and roles of microorganisms in terrestrial, freshwater, and marine ecosystems. Importance of bacteria in pesticide degradation, bioremediation of oil spills, sewage treatment, biocontrol, food fermentation.	Refer to Class Availability Website
PH 201	Introduction to Public Health	3	DS		Introduces public health concepts with an emphasis on principles and tools for population health, disease prevention, health professions and healthcare systems, and public health professions and systems. A-F only.	Refer to Class Availability Website
PH 202	Public Health Issues in Hawaii	3		201	Application of general public health concepts and tools with broader public health issues as they relate to the State of Hawai'i. A-F only.	Refer to Class Availability Website
PH 203	Introduction to Global Health	3		201	Introduction to the basic principles of global PH. Topics include the application of these principles to global PH issues, exploration of links between health, economic, and social status, health disparities and global interventions. A-F only.	Refer to Class Availability Website
PH 301	Seminar in Public Health Issues	3			Seminar will explore current issues and case studies in epidemiology, issues and causes of chronic and infectious diseases, how the environment interacts with health, and how social and behavioral factors affect personal health.	
PH 310	Introduction to Epidemiology	3		PH majors only. 201, and 210 or MATH140 or MATH 161 or higher	Lecture/discussion on the fundamental principles of epidemiology, exploring patterns of disease, threats to health and EPI methods for prevention, control, and treatment. A-F only.	Refer to Class Availability Website
PH 341	Public Health Biology and Pathophysiology	3	DB	Junior standing or higher. 201, and one of the following: BIOL 101 or BIOL171 or BIOL172 or PHYL 103 or PHYL141 or FSHN 185	Explores the biological basis of human disease and the role public health measures play in reducing both the extent and impact of chronic and acute diseases on individuals and society. A-F only. Junior standing or higher.	Refer to Class Availability Website
PH 420	Individual & Group Health Promotion	3		Sophomore standing or higher. 201 and PSY100.	Focus on the application of social and behavioral theory in health education, and how health promotion programs are constructed for various populations with an emphasis on cultural diversity and social determinants of health. A-F only.	Refer to Class Availability Website
PHIL 101	Morals and Society	3	DH		Philosophical attempts to evaluate conduct, character, and social practices.	Refer to Class Availability Website
PHYL 142	Human Anatomy and Physiology	3	DB	Should have an understanding of basic physiology concepts as present in 141 or equivalent.	Continuation of 141.	Refer to Class Availability Website
PHYL 302	Advanced Anatomy and Physiology	4	DB	301/301L or consent	Continuation of 301.	Refer to Class Availability Website
PSY 212	Survey of Research Methods	4	DS	100	(3 Lec, 1 2-hr Lab) Survey of standard methods and related conceptual issues employed in psychological research. Both experimental and non-experimental methods will be reviewed.	Refer to Class Availability Website
PSY 324	Psychology of Emotion	3	DS	100, Recommended: 220 or 322	Survey of traditional views and leading theories, and research in related topics.	Refer to Class Availability Website
PSY 325	Cognitive Psychology	3	DS	100 or consent.	Mental processes of humans and other organisms. Survey of major theories and findings in cognitive psychology.	Refer to Class Availability Website
PSY 331	Behavioral Neuroscience	3	DB	230 or BIOL 172, or consent.	Coverage of the neural, developmental and mechanistic bases of learning, memory and cognition, motivated and regulatory behavior and mental disorders. A-F only.	Refer to Class Availability Website
SOC 354	Survey of Medical Sociology	3	DS		Social factors in disease and treatment; illness behavior, roles of patients and healers; nature of healing professions; use of medical services; alternative systems of medical organization.	Refer to Class Availability Website
TRMD 499	Pandemic and Preparedness Response				Directed reading and research in laboratory; diagnostic aspects of bacterial, parasitic, and viral infections. Repeatable unlimited times.	Refer to Class Availability Website

Courses Separated by Subject

Subject	Course	Title	Credits	Grade/Prerequisite	Prerequisites	Course Description
Biology (BIOL)	BIOL40530	Sex Differences in the Life Cycle	3	DL, ETH	One semester of biological science at college level or consent	Introduces differences, their biological basis and implications. genetic, hormonal, and endocrinological determinants of sexual differentiation. Biology of gender, sexually dimorphic, hermaphroditic, and asexual reproduction of various organisms.
	BIOL275	Cell and Molecular Biology	3	DL	C core C or better in CHEM171 and CHEM272	Integrated cell and molecular biology for life science majors. Modern advances in recombinant DNA technology.
	BIOL375	Genetics, Evolution, and Society	3	DL	275 or consent	Genetic concepts at advanced undergraduate level: genetic transmission, recombination, gene action, mutation, population and evolutionary genetics. A.C. only
Communications (COMM)	COMM40006	Principles of Biochemistry	4	DL	C core C or better in CHEM272, and CHEM275 or consent	Molecular basis of living processes in bacteria, plants, and animals; emphasis on metabolism of carbohydrates, lipids, proteins, and nucleic acids.
	COMM381	Interpersonal Relations	3	DL	Pre core of 176, 188, 198, 251 or 301 or consent	Theory and research on the development, maintenance, and termination of interpersonal relationships.
Economics (ECON)	ECON130	Principles of Microeconomics	3	DL		Examination of the decision-making process of both households and firms. Analysis of the functioning of a competitive market mechanism, profit, supply and demand, equilibrium and the role of government in consumer behavior and the effects of different competitive market structures on society.
	ECON311	Principles of Macroeconomics	3	DL		An introductory macroeconomics course. The study of the overall economy. Topics include the measurement of national income, causes and effects of inflation, unemployment, and income inequality; causes and measurement of international differences in economic growth; causes of business cycle expansion and contraction; the role of government policy in stabilizing the economy and promoting long-term growth; financial markets and money supply; causes, consequences, and management of budget deficits; determination of trade imbalances; exchange rate fluctuations; and balance of payments issues.
	ECON301	Introduction to Statistics	3	DL		Basic elements, descriptive statistics, probability, inference, distributions, hypothesis testing, regression, and correlation concepts.
English (ENG)	ENG304	Argumentative Writing I	3	WR	W and either 200 or one ENG DL course, or consent	Theory and practice of written argument, emphasis on the role of invention in argumentative discourse and the science of rhetoric.
Food Science/Health & Nutrition (FSHN)	FSHN185	The Science of Human Nutrition	3	DL		Integration of natural science concepts basic to the study of human nutrition. Emphasis on nutrient measurement of healthy individuals, food sources, functions of nutrients.
Healthcare Studies (HEHS)	HEHS285	Life as a Leader I	4	DL	107 or consent	Presentation of essential medical facts including basic philosophy, identification, utilization, and prevention of such facts for health care delivery.
Human Development and Family Studies (HDFS)	HDFS210	Human Development	3	DL		Concepts, issues, theories of human growth and development from conception to death; systems approaches to studying life history affecting growth and development.
	HDFS310	Emergency Care and First Aid Training	3	DL		Practicum in training of persons to become qualified in emergency care knowledge, basic life support, and first aid. First Aid and CPR certification may be earned.
Kinesiology (KINE)	KINE353	Structural Kinesiology	3	DL	PHYS103 or 1401/405 or consent	Classical human anatomy, emphasizing identification and description of parts of the musculoskeletal system, selected applications to motor activity. Priority for physical education majors, but open to others with consent.
	KINE395	Personal Health and Wellness	3	DL, ETH		Scientifically based information will be presented to help the student make decisions and take responsibility for his/her own health and health-related behaviors. The student will develop a personal, health-related action program in which he/she will participate and be measured. Repeatable one time.
Molecular Cell Biology (MCB)	MCB345	Immunology	3	DL	351 or BIOL172 or consent. Recommended: BIOL275/276.	Structure and biological actions of antigens and antibodies. Fundamentals of antibody synthesis, the evolution of immunology to biology and medical sciences.
	MCB311	Introduction to Medical Technology	2	DL		Designed to prepare students for the field of medical technology (clinical laboratory science). Repeatable one time.
Microbiology (MICR)	MICR351	Biology of Microorganisms	3	DL	BIOL171 or equivalent, CHEM272/276, or consent. Co-requisite: 351. Recommended: BIOL275/276.	Acquiring, identifying, physiology, genetics, development, and environmental interactions of microorganisms.
	MICR411	Microbial Physiology	3	DL	351	Fundamental physiological and metabolic processes of bacteria, emphasis on growth, functions of cell structure, sources of energy metabolism, metabolic regulation, and differentiation at the prokaryote level.
	MICR461	Immunology	3	DL	351 or BIOL172 or consent. Recommended: BIOL275/276.	Structure and biological actions of antigens and antibodies. Fundamentals of antibody synthesis, the evolution of immunology to biology and medical sciences.
	MICR463	Microbiology of Pathogens	3	DL	351/355, or consent	Establishment mechanisms of infectious diseases at the molecular level. Emphasis on the role of genetics in host-pathogen interactions.
	MICR465	Molecules and Their Environment	3	DL	BIOL171 and CHEM272, or consent	Biological, chemical, and physical interactions of molecules, membranes, and cellular organelles. Importance of biomolecules in possible degradation, transformation of oil spills, sewage treatment, bioaccumulation, biohermicide.
Public Health (PH)	PH201	Introduction to Public Health	3	DL	301	Introduces public health concepts with an emphasis on principles and tools for population health, disease prevention, health promotion and healthcare systems, and public health interventions and systems. A.C. only.
	PH202	Public Health Issues in Health	3	DL	301	Application of general public health concepts and tools with broader public health issues on their relation to the State of Hawaii. A.C. only.
	PH203	Introduction to Global Health	3	DL	301	Introduction to the basic principles of global PH. Topics include the application of these principles to global health issues.
	PH210	Introduction to Epidemiology	3	DL	PH requires 201, 202, and 203 or MATH110 or MATH110 or higher	Principles, application of links between health, economic, and social status, health disparities and epidemiology.
	PH240	Environmental Health	3	DL	Supervise reading and discuss.	Introduction to the environmental principles of epidemiology, pathogenesis, and prevention of disease through to health and PH methods for prevention, control, and treatment. A.C. only.
	PH261	Public Health Biology and Pathophysiology	3	DL	PH requires 201, 202, and 203 or the following: BIOL101 or BIOL171 or BIOL172 or PHAS101 or PHAS101 or PHAS101	Examines a variety of disease associated with environmental factors on disease incidence, morbidity, and mortality in relation to public health prevention strategies.
	PH400	Individual & Group Health Promotion	3	DL	Cognitive development: higher 301 and PSY100	Focus on the application of social and behavioral theory in health education, and how health promotion programs are developed for various populations with an emphasis on cultural diversity and social determinants of health. A.C. only.
Physiology (PHYS)	PHYS101	Motors and Society	3	DL		Physiological attempts to evaluate conduct, character, and social practices.
	PHYS147	Human Anatomy and Physiology	3	DL	High school chemistry	Anatomy, histology, physiology, biochemistry, genetics of human organ systems presented in integrated anatomy/physiology format. Priority to students in training.
Psychology (PSY)	PSY142	Human Anatomy and Physiology	3	DL	Should have an understanding of basic physiology concepts as presented in 141 or equivalent	Continuation of 141.
	PSY301	Advanced Anatomy and Physiology	4	DL	BIOL171 and BIOL172, or any equivalent	Integrated presentation of human anatomy and physiology. An optional laboratory (PHYS301L) is available separately.
	PSY302	Advanced Anatomy and Physiology	4	DL	301/305, or consent	Continuation of 301.
Psychology (PSY)	PSY312	Survey of Research Methods	4	DL	100	(5 Lec, 1 2hr Lab) Survey of standard methods and related conceptual issues employed in psychological research. Both experimental and non-experimental methods will be reviewed.
	PSY314	Psychology of Disease	3	DL	100, Recommended: 220 or 322	Survey of traditional areas and leading theories, and research in related topics.
	PSY325	Cognitive Psychology	3	DL	100 or consent	Major processes of humans and other organisms. Survey of major theories and findings in cognitive psychology.
	PSY331	Behavioral Neuroscience	3	DL	230 or BIOL172, or consent	Change of the neural, developmental and molecular basis of learning, memory and cognition, involved and regulatory behavior, and mental disorders. A.C. only.
	PSY371	Abnormal Psychology	3	DL	100, Recommended: 270	History and current of abnormal psychology. Classification of diagnostic, pathogenesis, etiology, and treatment of abnormal behavior. Focus on clinical, cultural, and social aspects and nature of leading practitioners, and medical and psychiatric aspects of mental illness.
Sociology (SOC)	SOC284	Survey of Medical Sociology	3	DL		Sociological approach to disease and treatment. Focus on cultural, social, and health care systems and nature of leading practitioners, and medical and psychiatric aspects of mental illness.
	TRMO30030	Forensics and Preparedness Response: One Health Care Study of COVID-19	3	DL		Examines the biological, environmental, social, economic, legal, ethical, behavioral and public health aspects of COVID-19 pandemic from a One Health perspective. Students will gain the knowledge and skills to work across disciplines to collaboratively solve real world problems and to address complex health and social challenges.