

# General Education Courses

Available through Loma Linda University

2015-2016 Academic Year

## **LOMA LINDA UNIVERSITY PHILOSOPHY OF GENERAL EDUCATION**

As a Seventh-day Adventist health sciences institution, Loma Linda University seeks to exemplify a life of service and sensitivity beyond the requirements of academic excellence within a professional discipline. With its rich spiritual heritage, the University places special emphasis on educating its students for a life of service in a global community.

General education at Loma Linda University consists of courses, lectures, programs, and activities coordinated with the intent to integrate faith and learning. In addition to the basics of cultural heritage and diversity, scientific inquiry and analysis, communication, and wellness, the curriculum emphasizes the University's spiritual heritage; as well as moral and ethical decision making that is grounded in Christian principles.

Thus, a general education is considered to be the cornerstone upon which students begin cultivating their abilities to:

1. Understand the fundamental Christian principles and Adventist heritage that undergird Loma Linda University.
2. Make informed moral and ethical decisions.
3. Incorporate critical thinking skills into personal and professional experience.
4. Value individuals with diverse capabilities and ideological, ethnic, gender, and generational perspectives.
5. Communicate effectively.
6. Undertake scientific inquiry and analysis.
7. Appreciate the contributions of the arts and humanities to society.
8. Examine the historical basis of the health sciences professions.
9. Develop self-awareness through balance of mental, physical, social, and spiritual aspects of daily living.
10. Model servant leadership in health care as exemplified by Jesus of Nazareth.

The Loma Linda University philosophy of general education creates a unique learning environment committed to the concept of human wholeness. Faculty are selected who embrace the spirit as well as the specifics of general education and who purpose to extend its goals into all aspects of University life—from the residence hall programs to the core of professional studies—thus adding an invisible curriculum to the required course offerings. It is this spirit in tandem with the specifics of a liberal arts education that inspires students to achieve academic excellence, value diversity, pursue lifelong learning, and live to bless others.

## CRITERIA FOR GENERAL EDUCATION COURSES

1. The course assists the health sciences student in cultivating abilities in one or more of the preceding ten aspects described in the Loma Linda University philosophy of general education for baccalaureate degrees.
2. The primary focus of the course contributes to the relevant knowledge and understanding of a subject area within one of the following domains described in the Loma Linda University general education requirements for baccalaureate degrees.
3. The course is based on appropriate prerequisites, particularly when offered at the upper division level.
4. The course is open to all baccalaureate degree students of Loma Linda University for general education credit.
5. Courses transferred to Loma Linda University for general education credit from another accredited institution must fall within one of the domains described in Loma Linda University's general education requirements for the baccalaureate degree.

## GENERAL EDUCATION REQUIREMENTS (68 quarter units)

In harmony with its commitment to wholeness, Loma Linda University requires all students graduating with a baccalaureate degree to complete a minimum of 68 quarter units of general education, which are integrated into the entire undergraduate program. Requirements are organized into five domains, as outlined in the following:

### Domain 1: Religion and Humanities (28–32 quarter units)

**The study of religion** must include an average of 4 units of religion course work for every 48 quarter units earned while attending a Seventh-day Adventist college or university. For students who did not earn all their credit at a Seventh-day Adventist college or university, the required religion units will be prorated based on the number of credits earned at a Seventh-day Adventist college or university (i.e., one unit for every 12 units taken at a Seventh-day Adventist institution). All students earning a bachelor's degree, including those who have met the preceding requirements, must take at least one course in religion from Loma Linda University (see following paragraph). All required credits in religion must be earned from a Seventh-day Adventist institution, but it is strongly recommended that students at other institutions include some religion as part of the overall requirement for Domain 1.

One religion course dealing with the spiritual heritage of the philosophy and mission of Loma Linda University is required of all graduates and must be taken from Loma Linda University. Courses that fulfill this requirement are: RELT 406 Adventist Beliefs and Life, RELT 423 Loma Linda Perspectives, RELT 436 Adventist Heritage and Health, and RELT 437 Current Issues in Adventism.

Students whose required units in religion from a Seventh-day Adventist institution have been prorated (reduced) are encouraged to make up the additional units in Domain 1 (28 quarter units) with further religion courses and/or additional units in humanities from Loma Linda University.

**The study of humanities** must include a minimum of 12 units. The credits in humanities must be selected from at least three of the following areas: civilization/history, fine arts, literature, modern language, performing/visual arts (not to exceed 4 quarter units), or philosophy.

### Domain 2: Scientific Inquiry and Analysis (24–32 quarter units)

Scientific inquiry and analysis encompass both the natural and social sciences. The study of natural sciences must include a minimum of 12 units. The units in natural sciences must be selected from two of the following content areas: biology, chemistry, geology, mathematics, physics, and statistics.

The study of social sciences must include a minimum of 12 units. One course (or components integrated into several courses) dealing specifically with issues of human diversity is required. The remaining units in the social sciences must be selected from the following content areas: anthropology, economics, geography, political sciences, psychology, and sociology.

### Domain 3: Communication (9–13 quarter units)

Course work in communication must include a complete sequence in English composition that meets the baccalaureate degree requirements of a four-year college or university. (For samples of English composition requirements, see end of this section.) Other areas of study in communication may include courses in computer information systems, critical thinking, and public speaking.

### Domain 4: Health and Wellness (2–6 quarter units)

To encourage the pursuit of lifelong leisure activities and wellness, the study of health and wellness must include at least two separate physical activity courses totaling a minimum of 1 quarter unit; and one course in personal health or nutrition. Additional units may include other areas of health, nutrition, and physical fitness.

### Domain 5: Electives

Electives from the previous four domains may be selected to complete the general education minimum requirements of 68 quarter units.

GENERAL EDUCATION COURSES OFFERED AT LOMA LINDA UNIVERSITY

Course ID	Course Title (Units)	Course Description
<b>DOMAIN 1: CULTURAL AND SPIRITUAL HERITAGE (28-32 quarter units)</b>		
<i>Cultural Heritage</i>		
AHCJ 225	History of Radiation and Imaging 1890-1940 (3)	The history of imaging and radiation from 1890 to 1940. Develops greater understanding of the evolution of imaging practices and the use of radiation in society from 1890 to 1940. Advances understanding through factual knowledge and appropriate analytical skills. Highlights the nature of change in imaging and the use of radiation for medical, commercial, industrial, and military uses. Builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the stage for advancements in technology and changes of ideologies.
AHCJ 226	History of Radiation and Imaging 1940-Present Day (3)	The history of imaging and radiation from 1940 to the present. Develops a greater understanding of the evolution of imaging practices and the use of radiation in society from 1940 to the present. Advances understanding through factual knowledge and appropriate analytical skills. Highlights the nature of change in imaging and the use of radiation for medical, commercial, industrial, and military uses. Builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the stage for advancements in technology and changes of ideologies.
AHCJ 422	History of Disability (3)	Reviews the power issues relating to disabilities in the history of the United States. Delineates the patient's rights from a historical context. Focuses on the contents and implementation of Americans with Disabilities Act (ADA). Outlines what role the ADA plays in the everyday practice of rehabilitation sciences.
CMSD 217	Beginning Sign Language (3)	Focuses on learning American Sign Language (ASL) for conversational purposes. Finger spelling, a sign vocabulary of approximately 500 words, and acquisition of the basic grammatical rules of ASL. ASL contrasted with the various sign systems currently being used in educational settings in this country.

Course ID	Course Title (Units)	Course Description
DNHY 408	Professional Ethics (2)	Develops understanding of hygienist's obligations to the public and to his/her professional association. Defines the ethical and mature conduct expected of professional health-care providers. Compares and contrasts professional ethics and personal morality as they relate to dental hygiene practice.
DNHY 409	Jurisprudence and Practice Management (2)	Laws and regulations that govern the practice of dental hygiene, with special emphasis on California regulations. Standards of government regulations. Obligations of the hygienist to the public and to his/her profession.
<i>Spiritual Heritage</i>		
RELE 400	Current Issues in Religion and Society 1-4)	Lecture series addresses a particular topic in bioethics from a variety of theological and religious perspectives. Focuses on current controversial topics in society and health-care settings. May be repeated, depending on topic. Additional assignments required for second, third, and fourth units.
RELE 447	Religion and Society (2 to 4)	Explores biblical themes that call individuals of faith to foster social and personal transformation. Examines the dynamics involved when a religious movement evolves toward a religious institution. Models of relationship between church and the world. Additional project(s) required for third and fourth units.
RELE 455	Christian Understanding of Sexuality (2 or 3)	Interpretations of human sexuality in ancient, medieval, and modern Christian thought, with emphasis on contemporary issues such as marriage, divorce, homosexuality, and artificial human procreation. Additional project required for third unit.
RELE 456	Personal and Professional Ethics (2 or 3)	The foundations, norms, and patterns of personal integrity and professional responsibility. Additional project required for third unit.
RELE 457	Christian Ethics and Health Care (2 or 3)	Ethical issues in modern medicine and related fields from the perspective of Christian thought and practice. Additional project required for third unit.
RELR 404	Christian Service (1 or 2)	Student participates in approved service learning, with written reflection on the Christian reasons for service. Additional project required for second unit.
RELR 408	Christian Perspectives on Marriage and the Family (2 or 3)	From a Christian perspective, overviews the family life cycle. Additional project required for third unit.

Course ID	Course Title (Units)	Course Description
RELR 409	Christian Perspectives on Death and Dying (2 or 3)	From a Christian perspective, considers the meaning of death--including the process of dying, cultural issues regarding death and dying, grief and mourning, suicide, and other related issues. Additional project required for third unit.
RELR 415	Christian Theology and Popular Culture (2 or 3)	Examines concepts and practices in popular culture from a Christian perspective. Additional project required for third unit.
RELR 427	Crisis Counseling (2 or 3)	Crisis phenomena, current crisis theory, a Christian model of crisis care, and the dynamics and practices of crisis care. Additional project required for third unit.
RELR 429	Cultural Issues in Religion (2 or 3)	Studies similarities and differences between European-American culture and 'minority' cultures in America, and the differences pertaining to the way religion is perceived and practiced. Additional project required for third unit.
RELR 448	Church and Community Leadership (2 or 3)	Theology and practice of lay church involvement and leadership by health-care professionals. Additional project required for third unit.
RELR 475	Art of Integrative Care (2 or 3)	The integration of psychosocial and spiritual care in the clinical setting. Additional project required for third unit.
RELT 404	New Testament Writings (2 or 3)	Interprets selected letters and passages of the New Testament, with a view to their theological and practical significance for today. Additional project required for third unit.
RELT 406	Adventist Beliefs and Life (2 or 3)	Fundamental tenets of Seventh-day Adventist faith and the lifestyle that such faith engenders. Additional project required for third unit.
RELT 415	Philosophy of Religion (2 or 3)	Philosophical study of religion, including the nature and function of religious language, evidence for the existence of God, the problem of evil, and religious diversity. Additional project required for third unit.
RELT 416	God and Human Suffering (2 or 3)	Suffering and evil in relation to the creative and redemptive purposes of God for this world. Additional project required for third unit.
RELT 423	Loma Linda Perspectives (2 or 3)	History and philosophy of Loma Linda University as a Christian health-sciences institution that fosters human wholeness. Additional project required for third unit.
RELT 425	Contemporary Religious Issues (2 or 3)	Analyzes prominent topics in religion discussed in contemporary journals. Additional project required for third unit.

Course ID	Course Title (Units)	Course Description
RELT 426	Jesus (2 or 3)	Studies Jesus as healer and teacher, prophet and reformer, Son of God and Savior. Additional project required for third unit.
RELT 436	Adventist Heritage and Health (2 or 3)	Origin and development of Seventh-day Adventist interest in health, from the background of nineteenth-century medicine and health reform to the present. Additional project required for third unit.
RELT 437	Current Issues in Adventism (2 or 3)	Selected theological, ethical, and organizational questions of current interest in Adventism, with the goal of preparation for active involvement in the life of the Seventh-day Adventist Church. Recommended for students with a Seventh-day Adventist background. Additional project required for third unit.
RELT 440	World Religions (2 or 3)	Surveys the origins, beliefs, and contemporary practices of the world's major religious systems. Gives attention to the interaction between specific religions and their cultures; and to similarities, differences, and potential for understanding among the religions. Additional project required for third unit.
RELT 444	Christian Mission (2 or 3)	Applies biblical theology to defining the concerns, structures, and methods of Christian mission. Concept of the Church, the definition of missionary, and the priorities of mission. Additional project required for third unit.
RELT 464	Paul's Message in Romans (2 or 3)	Chapter-by-chapter interpretation of Paul's most influential letter, in which the good news of God's salvation is applied to the issues of Christian life and community. Additional project required for third unit.
RELT 474	Love and Sex in the Bible (2 or 3)	Studies Scripture on the reality, nature, and challenges of love--both divine and human; and of key biblical passages on the goodness, meaning, and distortions of human sexuality. Additional project required for third unit.
RELT 475	Spirituality and the Contemporary Christian (2 or 3)	Explores the meaning of spirituality in the light of Scripture and Christian thought, and studies practices and disciplines that form and mature an individual's spiritual life. Additional project required for third unit.
RELT 476	The Bible and Ethics (2 or 3)	Ways in which the Bible and ethics are related. Major ethical themes in biblical teaching. Additional project required for third unit.



Course ID	Course Title (Units)	Course Description
<b>DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS (24-32 quarter units)</b>		
<i>Natural Sciences</i>		
AHCJ 101	Introductory Chemistry (4)	Basic survey of matter, energy, and measurement. Includes atoms and molecules; chemical bonding; chemical reactions and reaction rates; gases, liquids, and solids; solutions and colloids; acids and bases; nuclear chemistry.
AHCJ 102	Introductory Organic Chemistry (4)	Introduces the study of compounds that contain carbon. Covers alkenes, alkynes, and aromatic compounds; alcohols, phenols, ethers, and halides; aldehydes and ketones; carboxylic acids and esters; amines and amides.
AHCJ 103	Introductory Biochemistry (4)	Introduces the chemistry of living systems, including carbohydrates, lipids, proteins, and nucleic acids; enzyme chemistry; bioenergetics; carbohydrate, lipid, and protein metabolism; biosynthetic pathways; protein synthesis; chemical transmitters and immunoglobulins; body fluids, nutrition, and digestion.
AHCJ 111	Introductory Physics (4)	Focuses on mechanics and properties of matter and heat; emphasizes concepts. Per week: lecture three hours, laboratory three hours. Designed for students entering programs in the allied health sciences and nursing.
AHCJ 112	Introductory Physics (4)	Focuses on sound, light, electricity and magnetism, atomic and nuclear physics, and relativity; emphasizes concepts. Per week: lecture three hours, laboratory three hours. Designed for students entering programs in the allied health sciences and nursing.
AHCJ 235	Essentials of Human Anatomy and Physiology (4)	Studies the structure and function of the human body, including organ systems. Prerequisite to many certificate and associate degree programs, e.g., coding specialist/certificate, occupational therapy assistant/A.A. Lecture and laboratory required.
AHCJ 235L	Essentials of Human Anatomy and Physiology Laboratory (1)	Studies the structure and function of the human body, including organ systems. Prerequisite to many certificate and associate degree programs, e.g., coding specialist/certificate, occupational therapy assistant/A.A. Lecture and laboratory required.

Course ID	Course Title (Units)	Course Description
AHCJ 241	Microbiology (2.5)	Designed for students in the health sciences. History, classification, morphology, growth, control, transmission, and pathology of selected bacteria, viruses, fungi, rickettsia, and parasites. Host defenses against microbial pathogens, including specific and nonspecific immunity. Per week: lecture thirty hours, laboratory thirty hours. Course covers two quarters. Grade given upon completion of the 241, 242 sequence.
AHCJ 242	Microbiology (2.5)	Designed for students in the health sciences. History, classification, morphology, growth, control, transmission, and pathology of selected bacteria, viruses, fungi, rickettsia, and parasites. Host defenses against microbial pathogens, including specific and nonspecific immunity. Per week: lecture 30 hours, laboratory 30 hours. Course covers two quarters. Grade given upon completion of AHCJ 241, 242 sequence.
AHCJ 250	Human Anatomy and Physiology I (5)	A 5-unit course covering structure and function of: cells; primary tissues; the integument; osseous tissue and the skeletal system; muscle tissues and skeletal muscles; as well as an introduction to the nervous system. For students entering two- and four-year health professional programs such as physical therapy, occupational therapy, cardiopulmonary sciences, communication sciences and disorders, radiation technology, nursing, and other programs with an anatomy and physiology prerequisite.
AHCJ 251	Human Anatomy and Physiology II (5)	A 5-unit course covering the organization and functions of the central and peripheral nervous systems and the visceral organ systems. For students entering two- and four-year health professional programs--such as physical therapy, occupational therapy, cardiopulmonary sciences, communication sciences and disorders, radiation technology, nursing, and other programs with an anatomy and physiology prerequisite.
AHCJ 351	Statistics for the Health Professions (3)	Fundamental procedures in collecting, summarizing, analyzing, presenting, and interpreting data. Measures of central tendency and variation, probability, binomial and normal distribution, hypothesis testing and confidence intervals, t-tests, chi-square, correlation, and regression. Introduction to SPSS statistical package for computer data analysis.

Course ID	Course Title (Units)	Course Description
AHCJ 402	Pathology I (4)	Fundamental mechanisms of disease, including cell injury; inflammation, repair, regeneration, and fibrosis; and vascular, cardiac, respiratory, gastrointestinal, hepatobiliary, urinary, reproductive, endocrine, and integumentary pathologies.
AHCJ 403	Pathology II (3 or 4)	Fundamental mechanisms of disease, including the central and peripheral nervous systems, bone and joint, skeletal muscle, developmental, genetic, infectious, and parasitic pathologies; and neoplasia. Fourth unit requires two autopsy viewings and written report.
AHCJ 418	Physiology I (4)	Physiology of the human body, including cellular, neuromuscular, cardiovascular, respiratory, gastrointestinal, renal, and endocrine physiology.
AHCJ 471	Statistics and Research for Health Professionals I (3)	Presents statistical methods relative to research design for health professionals, with introduction to SPSS statistical package for computer data analysis. Discusses philosophical approaches to scientific inquiry, range of research designs, roles of variables, and ethics.
AHCJ 472	Statistics and Research for Health Professionals II (3)	Advanced conceptual frameworks, data analyses, and techniques in quantitative and qualitative research. Emphasizes process for obtaining and using evidence-based research.
AHCJ 475	Health-Care Research and Statistics (4)	Statistical methods presented in the context of health-care research. Rationale for research questions, definition of populations, roles of variables, reliability and validity of research tools, common research designs, internal and external validity of research designs. Descriptive statistics, confidence interval, hypothesis testing concepts, t-tests, chi-square tests, correlation and regression. Interpretation of computer output. Evaluation of the health-care literature.
BCHM 306	Introduction to Organic and Biochemistry (6)	Meets the organic and biochemistry requirements of nursing and allied health students. Covers the nomenclature, structure, and salient chemical properties of the nine classes of organic compounds. Covers the structures and biological functions of proteins, carbohydrates, lipids, and nucleic acids; intermediary metabolism. Emphasizes relevant health-related topics.
CMSD 304	Hearing Science (4)	Introduces basic theories and laboratory exercises in acoustics, psychoacoustics, and physiological acoustics.

Course ID	Course Title (Units)	Course Description
CMSD 376	Anatomy of Speech-Hearing Mechanism (4)	Anatomy and physiology of auditory-vocal communicative process.
DNHY 390	Introductory Statistics (2)	Fundamentals of statistical analysis and critique of research data in scientific literature and in student research projects. Inferential and descriptive statistics, frequency distribution, histograms, bar graphs, and statistical tests. Computer applications in preparing and analyzing research data. Domain II.
ENVH 414	Introduction to Environmental Health (3)	Introduces an overview of the major areas of environmental health, such as ecology, environmental law, and population concerns; environmental diseases and toxins; food, water, and air quality; radiation; noise; and solid and hazardous waste.
EPDM 414	Introduction to Epidemiology (3)	Methods and strategies used to investigate distribution, determinants, and prevention of disease in human populations. Disease classification, measures of disease frequency and relative effect, and methods used to isolate effects. Assessments of environmental conditions, lifestyles, and other determinants of disease. Interpretation of results and statistical associations. Critical evaluation of scientific literature. Student presents personal literature study. Laboratory included.
STAT 414	Introduction to Biostatistics I (3)	Introduces statistical methods of summarizing, analyzing, presenting, and interpreting data, with emphasis on health-related data. Topics include normal and binomial distributions, probability, central limit theorem, confidence intervals; as well as hypothesis testing using t-tests, ANOVA, correlation, linear regression, and chi-square. Includes a brief introduction to multivariate analysis. Practice in reading and interpreting statistical summaries in peer-reviewed literature. Emphasizes the practical application of biostatistics.
STAT 415	Computer Applications in Biostatistics (1)	Uses SPSS to apply appropriate statistical methods in the summary and analysis of health-related data, including descriptive; as well as hypothesis testing using t-tests, correlation, linear regression, chi-square, and ANOVA. Designed to be taken concurrently with STAT 414.

Course ID	Course Title (Units)	Course Description
<i>Social Sciences</i>		
AHCJ 228	Hispanic Culture for Allied Health Professionals (4)	Introduces basic humanities concepts relevant to the Hispanic culture and its influence on how health care is provided today. Includes cultural awareness, heritage, health beliefs and practices, and culturally competent care and communication.
AHCJ 305	Infectious Disease and the Health-Care Provider (1)	Current issues related to infectious disease, with special emphasis on principles of epidemiology and the etiology of HIV/AIDS. Discusses disease pathology and modes of transmission compared with hepatitis, tuberculosis, and influenza. Development of ethical response to psychosocial, economic, and legal concerns. Strategies and programs for education, prevention, and identification of resources. Impact on the health-care worker; risk factors; and precautions for blood-borne pathogens, HIV, hepatitis, and tuberculosis.
AHCJ 315	Psychosocial Aspects of Health Care (3)	Based on the belief that an understanding of psychosocial aspects of health care optimizes therapeutic outcomes. Emphasizes the importance of the wholeness human factor in clinical competence and professional excellence. Comprehensively addresses a variety of psychosocial topics involving health professionals/health-care providers affected by pathology, impairment, functional limitation, and/or disability. Realistically and practically addresses real issues in today's health care, acknowledging time as well as other constraints; and describes recommended roles and intervention strategies for health-care providers. Applies to all health-care professions, such as nursing, physical and occupational therapy, speech-language pathology, physician assistant and medicine, respiratory therapy, social work, and medical laboratory science. Additional project required for fourth unit.

Course ID	Course Title (Units)	Course Description
AHCJ 324	Psychosocial Models and Interventions (2)	Major models of stress, crisis, and psychological trauma; and how they relate to health-care providers. Psychosocial reactions and responses of populations, individuals, and care providers to societal disruption and trauma, medical emergencies, and death and dying. Applies principles for suicide intervention, critical incident debriefings, and death notification. Roles of psychiatrists, psychologists, social workers, family therapists, and chaplains. Methods of providing temporary, adequate psychological care for individuals in psychosocial crisis.
AHCJ 325	U. S. Health-Care Delivery System (2)	Overview of U.S. health-care delivery, including the history of health-care institutions, accrediting bodies, organizations that provide health care; regulations and standards, reimbursement methods used, and the professionals who provide services. Presents course from a systems perspective, including research into the future of health care.
AHCJ 328	Wholeness Portfolio I (1)	Students develop an introductory portfolio that demonstrates progression toward the student learning outcomes set by Loma Linda University--including wholeness, Christ-centered values, commitment to discovery and lifelong learning, effective communication, embracing and serving a diverse world, and collaboration.
AHCJ 331	Human Resource Management (3)	Theory and practice of the management of people at work. Organizational behavior concepts and the problems of employee procurement, training, and motivation. Job evaluation, wage administration, employee benefits, and negotiating with labor unions. Preparation for both managing people and directing a department in a complex organization.
AHCJ 407	Financial Management (2)	Financial aspects of health care involving prospective reimbursement system, analysis of various health-care reimbursement schemes, and hospital financial disbursements. Budget variance analysis, analysis of cost components, operating statements, and productivity related to a department budget. Special projects may be assigned as needed. Per week: lecture two hours.

Course ID	Course Title (Units)	Course Description
AHCJ 408	Health-Care Management (4)	Management theory: planning, organizing, directing, and controlling (including budgetary controls). Department productivity and theories of work simplification. Preparation of resumes, interviewing skills, professional attitudes, group theory, and group dynamics. Students spend the last two-to-three weeks doing special projects designed and supervised by their departments. (Department of Nutrition and Dietetics students register for a 2-unit practicum in conjunction with this course.)
AHCJ 415	Educational Psychology for Health Professionals (3)	Psychological factors related to learning processes in professional and higher education. Emphasizes the role of communication skills in learning settings, gender influences on learning, objectives setting and course design, stimulation of higher-level thinking, motivation, and retention.
AHCJ 421	Psychology of Physical Disability (2)	Psychological reactions to illness or disability. Methods of dealing with these reactions considered with reference to the clinical situation. Seminar approach to professional responsibilities for health care.
AHCJ 461	Research Methods (2 or 3)	Introduces the scientific method in research. Focuses on the major steps of the research process as they relate to research report evaluation, proposal writing, literature review, development of conceptual framework, identification of variables, statement of hypotheses, research design, and analysis and presentation of data. Preliminary research proposal required for third unit.
AHCJ 498	Wholeness Portfolio II (1)	Students continue developing a portfolio that illustrates the potential graduate's ability to meet the student learning outcomes set by Loma Linda University--including wholeness, Christ-centered values, commitment to discovery and lifelong learning, effective communication, embracing and serving a diverse world, and collaboration.
ANTH 306	Language and Culture (4) <i>(Fulfills cultural diversity requirement)</i>	Surveys anthropological linguistics and sociolinguistics. Considers the place of language and communication in social interaction. Introduces descriptive and structural linguistics and discourse analysis. Examines linguistic pluralism in the United States. Contrasts language of health care givers with the language styles of people they serve. Language productions such as folklore, humor and other forms of 'word play,' curses and blessings, and glossolalia.

Course ID	Course Title (Units)	Course Description
ANTH 315	Cultural Anthropology (4) <i>(Fulfills cultural diversity requirement)</i>	Advanced course in ethnology and social organization. Explores the nature of culture, giving special attention to such features as technology, economic activities, community organization, kinship and marriage, social control, magic and religion, the arts, and other forms of cultural behavior. Presents a wide array of examples from societies around the world.
ANTH 448	Medical Anthropology (4) <i>(Fulfills cultural diversity requirement)</i>	Studies sickness and health as universal factors in the human condition. Examines worldview as an explanatory system for human behavior, giving ethnographic examples of curing systems and coping mechanisms. Deals with cross-cultural communication of health principles and practices.
DNHY 414	Personal Finance (2)	Personal finance topics, including credit, taxes, insurance, real estate, budgeting, housing, and inflation.
HPRO 431	Psychology and Sociology of Sport (3)	Role, effect, and importance of sport in society. Psychological principles that motivate individuals to initiate and continue sport activities.
PHCJ 401	Essentials of Public Health (4)	Essential issues in public health, including history from ancient times to HMOs; definitions; organization and infrastructure; functions, practices, programs, and services. Contributions of important public health practitioners. Political, social, and economic considerations of public health problems.
PSYC 101	Introduction to Psychology (4)	A general overview course focusing on the scientific study of both the behavioral and mental processes of human beings and animals. Covers history of psychology and scientific thought, biological basis of behavior, research methodology, sensation and perception, states of consciousness, memory, language and intelligence, developmental psychology, learning, personality, and abnormal psychology.
PSYC 226	Lifespan Development (4)	Life-span course emphasizing the physical, mental, emotional, social, and religious/moral development from conception through adulthood, aging, and death.



Course ID	Course Title (Units)	Course Description
PSYC 305	Psychological Foundations of Education (4)	Explores educational psychology through application of development and learning theories to instruction, achievement motivation, self-esteem, classroom management, supportive and disruptive processes on school sites, campus standards, disciplinary practices, legal/ethical issues. Requires research on effective educational practices and related foundations. Additional research for graduate credit.
PSYC 404	Psychological Tests and Measurements (3)	Develops competencies and understandings for selecting, administering, and interpreting the major types of standardized tests and inventories used in psychology and education. Presents theoretical principles and issues together with hands-on applications. Practicum required.
PSYC 405	Psychology of Human Relations (3)	Human relations for career and personal success. Topics include the effective use of human resources, communication, leadership skills, decision making, stress management, assertiveness training, managing conflicts, career development, and achieving balance.
PSYC 460	The Exceptional Individual (3)	Studies the determinants, characteristics, problems, and adjustments of individuals who deviate markedly from the norm in their mental, physical, emotional, or social aptitudes, traits, and tendencies. Emphasizes education and career planning. Open to upper division graduate and postgraduate students only.
PSYC 479	Human Neuropsychology (4)	Introduces brain-behavior relationships, including cerebral asymmetry, disconnection syndromes, disorders of memory and language, biological substrates of affective behavior, motor and perceptual dysfunction, and drug actions.

Course ID	Course Title (Units)	Course Description
<b>DOMAIN 3: COMMUNICATION (9-13 quarter units)</b>		
AHCJ 426	Introduction to Computer Applications (2)	Hands-on instruction in Word, Excel, and PowerPoint. Lectures, laboratory assignments, quizzes, projects, and a practical examination. (Course not taught every quarter.)
AHCJ 432	Database Management (3)	Theories and steps of database development using Microsoft Access. Topics include but are not limited to: relationships, form building, advanced queries, reporting, and macros. Requires a project creating a health information database with appropriate indexing, privacy, and security settings.
AHCJ 308	Professional Communications (1 or 2)	Forms of written and verbal communication routinely required in the performance of the health-care manager's duties. Projects include memos, letters, confidential FAX cover design, short reports, meeting notices, minutes, and creation of agendas.
AHCJ 405	Dynamics of Learning and Teaching (2)	Examines the theories of learning applied to the teaching process. Evaluates current research and methods of instruction.
AHCJ 464	Group Process and Dynamics (3)	Introduces principles and techniques of group theories, processes, and dynamics, as applied to the health professional setting. Concepts include group functions, roles, structures, and characteristics; group membership, norms, dynamics, and relations. Theoretical perspectives on group development, dynamics, and conflicts. Practical issues, including educational applications, negotiation, observation, and diagnosis. Leadership issues, facilitation, expedition, and termination. Simulation exercises, active learning, and flexible choices of study and application.
AHCJ 465	Seminars in Leadership (2)	Prepares graduates for entry into the new work requirements. Through observation and participation, students explore the responsibility of today's employee to successfully integrate customer and community service and social responsibility.
DNHY 499	Research Writing	Elective course for students wishing to write their research study for submission to professional journals for possible publication.
ENGL 300	Writing Seminar for Health-Care Professionals (2)	Teaches students to develop the essay for research-oriented papers. Focuses on paragraph and essay development.

Course ID	Course Title (Units)	Course Description
<b>DOMAIN 4: HEALTH AND WELLNESS (2-6 quarter units)</b>		
DTCS 301	Human Nutrition (3)	Fundamentals of normal nutrition. Carbohydrates, proteins, fats, vitamins, minerals; their roles in human metabolism. Introduction to nutrition in the life cycle. Per week: lecture three hours.
DTCS 311	Human and Clinical Nutrition for Nursing (4)	Fundamentals of normal nutrition. Carbohydrates, proteins, fats, vitamins, minerals; their roles in human metabolism. Investigates the role of nutrition at various stages in the life cycle of the individual in health and disease. Nutrition intervention in the prevention and treatment of disease in the clinical setting.
DTCS 312	Clinical Nutrition for Nursing (2)	Nutrition intervention in the prevention and treatment of disease in the clinical setting.
PEAC 110	Independent Activities (0.5 or 1)	Develops an appropriate activity program in conjunction with the staff at the activities center. Develops motor skills and physical stamina in a manner that will promote lifelong involvement in physical activity.
PEAC 128	Recreation Swimming (1)	Covers the mechanics of a variety of strokes, training methods, training principles, and safety through swim techniques that maximize fitness outcomes and minimize injuries. Designed to teach and apply the principles of lifetime physical fitness, utilizing the five major components of cardiorespiratory endurance, muscular strength, muscular endurance, flexibility, and body composition.