

Academic research staff list: Available profe

■ Nutrition Sciences Degree Program

Research Fields	Name and Title	Research Contents
Physiological Nutrition	Kazuhiro Uenishi, Professor	(1) Changes in bone mass are affected by lifestyle habits such as diet and exercise. This course aims to extensively investigate and study the effects of minerals represented by calcium, Vitamins D and K, and lifestyle on bone mass in the growth to elderly stages in terms of epidemiology and experimental nutrition. (2) Absorption and use of calcium and several other minerals in humans will be studied in terms of experimental nutrition. (3) Involvement of nutrition in athletes will be studied by investigational and interventional studies. (4) Lifestyles in the growth stage and physical conditions will be studied transversally and longitudinally.
Medicine Nutrition	Keiko Honda, Professor	This course aims to study amounts of nutritive components, energy ratio, food form, and eating behaviors in nutritional and dietary therapy in patients with metabolic disorders and people with disabilities, standardization of idiomatic terms related to nutritional and dietary therapy and the development of guidelines for nutritional education to maintain and improve QOL, and outcomes and indicators of nutritional and dietary therapy.
Administrative Dietetics	Hiroimi Ishida, Professor	This course aims to study nutritional assessment and diet management for the purpose of nutritional management of individuals, small groups (e.g., people in growth stage, pregnant/lactation periods, athletes) or users of specified food service facilities, and quality/production control systems in specified food service facilities from the viewpoint of nutritional management.
Nutrition Ecology	Yukari Takemi, Professor	This course aims to study planning, implementation, and assessment of programs for nutritional education, dietary education, and dietary environment which will lead to prolongation of healthy life expectancy based on needs of learners and issues in local communities; specifically, investigational study for the assessment

		of priority issues of target population, study of developing assessment tools and indices and educational materials, and interventional study where intervention is performed and assessed. Quantitative and qualitative studies will be conducted by utilizing behavioral science theory and models corresponding to each study subject. The study target will be extensive areas, not only the area of administrative unit such as municipalities but also communities centering around school and workplace.
Family Resource Management & Environmental Education	Rie Imoto, Professor	This course aims to study relationship between dietary life and the environment in terms of housing study and environmental education study. The following are the themes: (1) Study on food environment such as coordinating dining space (2) Theoretical study of relationship between dietary life and environmental issues, and study of educational contents and practical method. Exploration of food environmental education including environmental theory, legal system, economic systems, and culture from a viewpoint of ecologically sustainable development (ESD) in school education and social education.
Food Science and Technology	Masataka Saito, Associate Professor	This course aims to prepare food-derived functional compositions and assess their efficacy as food materials. In particular, it will be comparatively analyzed what kinds of food compositions are highly functional in tissues, and the action mechanism will be elucidated by performing metabolome data analysis in human cells and tissues. In addition, the course aims to develop technology that can be applied to determine food functionality and quality using an amino acid analyzer and LC-MS.
Cookery	Fumiko Konishi, Professor	(1) Study on rice flour bread. Effect of adding water-soluble dietary fibers on the physical property of rice flour bread. (2) Verification of prophylactic effect of Mucuna pruriens on Alzheimer's dementia. Other themes will be decided through discussion and studied.

■ Health Science Program

Research Fields	Name and Title	Research Contents
Applied Physiology	Toshikazu Yamashita, Professor	This course aims to elucidate physiological mechanism of exercise in improving pathology and helping maintain and enhance health, particularly focusing on inflammation and hypersensitivity of the respiratory tract, the pathology of bronchial asthma. Since this mechanism may change by the presence or absence of other underlying diseases, the study will be conducted by using wide-ranging techniques, including experiments in model animals and humans.
	Masaharu Kagawa, Associate professor	Accurate physical information is required to assess individuals and groups. This course aims to study themes related to human health in extensive areas including (1) food and nutrition, (2) growth, development, and aging, (3) body image, and (4) sports medical science, as well as researches focused on (5) development and verification of new physical measurement and body composition measurement methods, (6) announcement of a new estimate equation, and (7) calibration of devices.