

FY2026 Research Supervisors & Fields of Research Supervision

Doctoral Program in physical education, health and Sport Studies

Description of Research Supervisors		
★★	Research Supervisor	Able to supervise research
★	Assistant Research Supervisor	Able to supervise research along with a Research Supervisor

Faculty Search (University Website Faculty Information Database)		Researcher Search (Japan Science and Technology Agency)	
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■ Degree Program in Science of Physical Education, Health, and Sport(by course)

(Course in Physical Education, Sport, Culture, and Social Sciences) - 1

Faculty Member Name	Fields of Research Supervision
★★ Professor ISHII Takanori Doctor (Sociology)	Fields of Research: Social science, integrated humanities and social sciences
	Research Keywords: Sports anthropology, ethnic sports, traditional sports, Southeast Asia, Myanmar, Chinlone, continuation of tradition, scientific anthropology
	Sports anthropology Sports anthropology is an academic field in which research is undertaken through elaborate fieldwork involving, among other things, participant observation of sport-like activities performed in a wide variety of societies all over the planet. The research fields span a broad range, and the specific examples listed below form just a few. (1) Research into people who undertake sports activities • Techniques of the body research • Life history research • Ethnoscience research, etc. (2) Research into people and organizations that support sports activities • Research into sports organizations and social organizations • Networks research • Sports equipment research, etc. (3) Research into sport as tourism (4) Research into sport development and support (5) Research into colonialism and sport culture (6) The anthropology of sports science, etc.
★ Professor OGI Kozo Master (Physical Education)	Fields of Research: Sports history
	Research Keywords: Sports history, physical education history, sports geography
	"Sports history" (1) General research fields (general history) "Overview of sports history", "global sports history", "sports history by era", "sports history by region", etc. (2) Individual research fields (unique history) "History of sports events", "history of sports ideology and figures", "history of sports education", "history of the sports industry", "history of forms of sport", "history of sports theory", "history of sports facilities and equipment", "history of sports technology", etc.
★ Associate Professor SANO Masayuki Master (Health and Sport Science)	Fields of Research: Social science in sport
	Research Keywords: Sport management studies, Sport management, Sports business, Sport marketing
	We undertake research with the following studies. • The concept and history of sport management theories • Sports event management • Appeal and value of spectating sport • Marketing of sport spectators • Management of university sports • Management of sports organizations (athletic organizations) • Management of sports clubs
★★ Professor SEKINE Masami Doctor (Health and Sport Science)	Fields of Research: Physical education/Sport philosophy
	Research Keywords: Sport philosophy
	Sport philosophy Sport philosophy is the study of "what sport is", "what people who play sport are", and "what is a society in which sport is popular". While exploring the truths on which various sports sciences are based, we will also tackle specific real-life issues such as the Olympics, doping, scientific and technological problems, and the human mind in relation to sport. In specific terms, the following can be considered to form areas of research. It is also possible to discuss philosophical issues in physical education (teaching). • Olympics and Olympism • Existential philosophy of sport • Sport anthropology (anthropology of achievement) • Sport ethics (issues such as doping, fairness, etc.) • Sport theory (body theory, play theory, time theory, science theory) • Sport aesthetics, dance theory • Japanese sports philosophy (zen, geido, etc.) • Sport philosophy of other countries (mainly UK/US and German-speaking countries)

(Course in Physical Education, Sport, Culture, and Social Sciences) - 2

Faculty Member Name	Fields of Research Supervision
<p>★★ Professor YODA Mitsuyo Doctor (Sports Health Science)</p>	Fields of Research: Physical education/sports sociology
	Research Keywords: Physical education/sports sociology
	<p>Sports sociology Sports sociology is the study of the relationship between sport and society. It is also including research aimed at clarifying the sociological phenomenon of sport and solving problems that occur therein. The research fields span a broad range, and the specific examples listed below form just a few. (1) Sports sociology content and methodology (2) Sport and drugs (3) Sport and violence (4) Social norms and sport (5) Sport and politics (6) Sport and economics (7) Sport and the environment (8) Sport and mass media (9) Fusion of academia and society (10) Sport volunteering (11) Sports informatics (12) Community sports, etc.</p>

(Course in Training Sciences) - 1

Faculty Member Name	Fields of Research Supervision
<p>★ Associate Professor IKEDA Yusuke Doctor (Sports Medicine)</p>	<p>Fields of Research: Training science, sports biomechanisms</p> <p>Research Keywords: Training science, athletic performance improvement, kinematics, kinetics, performance analysis, resistance training</p> <p>Improvement in sports performance requires strategic improvement of elements required for the relevant sport through training based on an identification of the unique characteristics of the sport. In this laboratory, we leverage research methods for sports biomechanisms and exercise physiology to analyze the skills and physical strength elements required for sport, and work on the development of effective training methods based on the obtained knowledge.</p> <p>The main research themes are as follows.</p> <p>(1) Development of training methods for improved pedaling power in bicycle racing: This theme involves researching effective pedaling skills and making proposals for training methods that will deliver increased power.</p> <p>(2) Effect of joint torque and power of lower limbs on jumping motion: This theme involves analyzing the role of joint torque and power in jumping motion, and coaching the training to improve performance.</p> <p>(3) Research into start motion in swimming competitions: This theme involves aiming to identify optimum motion patterns and training methods, with the goal of improving starting motion techniques.</p> <p>(4) Development of effective resistance training methods: This theme involves developing effective methods for resistance training with the aim of enhancing muscle strength and improving performance.</p> <p>The aim of these research above are to contribute to improvement of athletes' performance.</p>
<p>★ Professor OISHI Kenji Doctor (Health and Sport Science)</p>	<p>Fields of Research: Epidemiology (exercise epidemiology), sports performance analysis</p> <p>Research Keywords: Epidemiology (exercise epidemiology), children, infants, family environment, social environment, lifestyle habits, exercise habits, physical fitness, athletic ability, health, physical activity quantity, physical activity intensity, sports performance analysis, game performance analysis, sports analytics, tactics, strategy, statistics, probability theory, evaluation field (measurement) investigation and development, examination and development of analytical methods</p> <p>The main research themes are "sports/game performance analysis" and "epidemiology research focusing on children (mainly infants)". Both areas of research use numerical data and are based on statistics and probability theory.</p> <p>(1) "Sports/game performance analysis"</p> <p>The availability of biometric wearable devices and small video cameras has made it possible to easily quantify sports performance, such as passing and shooting, as well as the movement (distance and speed) and heart rate data of individual athletes. As such, this research theme involves the quantification of sports using GPS data and image data, investigation into figures that are related to winning and losing, and the prediction of future games. We then consider the content (and issues faced) of training for the relevant team based on the results of this research. There are currently no restrictions on the type of sports that can be covered in the research, but mainly focus on soccer, handball, volleyball, and other such ball games.</p> <p>(2) "Epidemiology research focusing on children (mainly infants)"</p> <p>We research the relationship between children's physical fitness, athletic ability or health status and their lifestyle habits and living environment. Specifically, with outcomes taking the form of records of activities including 25m running, broad jump, and tennis ball throwing, like/dislike of exercise, and the frequency with which young children catch colds or get injured, research uses epidemiological methods to examine the relationship between family environment (family composition, type of housing, etc.), lifestyle habits (waking time, learning activities, etc.), institutional environment (daycare centers, kindergartens, schools, etc.), and region (urban areas, rural areas, etc.). Another theme of our research is quantification of the physical activity intensity and quantity in the daily life of children. Currently, we're conducting the research involves ongoing measurement with the degree of change (ratio) in physical strength and athletic ability as outcomes. Based on these research results, we will consider measures for improving the physical fitness and athletic ability of children, who are at risk of being polarized.</p>
<p>★★ Associate Professor OTSUKA Mitsuo Doctor (Sports Science)</p>	<p>Fields of Research: Sports biomechanisms</p> <p>Research Keywords: Kinematics, kinetics, athletic performance improvement, motor skills, training</p> <p>Using a scientific approach, we aim to improve athletes' athletic performance and exercise beginners' motor skills. Currently, research focuses mainly on the two themes below.</p> <p>(1) Measurement and evaluation of lateral and longitudinal sports movements using advanced devices (including optical high-speed cameras, ground reaction force gauges, and inertial sensors)</p> <p>(2) Development of methods to measure and evaluate motor skills using popularized devices (smartphones, smartwatches, etc.)</p> <p>Measurements are made in a range of places, from the field to the laboratory, and a wide-ranging analysis of exercise performance is undertaken that encompasses athletes who achieve victory at international events to kids who don't like exercise. While leveraging a network of research institutions around the world, the aim of this research is to contribute to sports science and society without being held back by precedent.</p>
<p>★★ Professor OKAMOTO Takanobu Doctor (Human Science)</p>	<p>Fields of Research: Exercise physiology, sports physiology</p> <p>Research Keywords: Sports performance, conditioning, training, athletic performance improvement, recovery</p> <p>Based on exercise and sports physiology, we conduct practical research that contributes to the development of effective exercise training methods and the improvement of athletes' performance and conditioning. In the course of conducting research that is relevant to the field of sports, we aim to establish a new theoretical system for training and conditioning. The main research themes are as follows.</p> <p>(1) Development of conditioning methods using cardiovascular function as an indicator</p> <p>(2) The effect of timing of exercise, nutrition, and rest on sports performance</p> <p>(3) Examination of polyphenol intake methods to enhance training effectiveness</p> <p>(4) Development of effective loading methods for functional foods (creatine, glycogen, etc.) to improve performance</p> <p>(5) Establishment of strategic recovery methods</p> <p>We welcome students who wish to pursue research from an international perspective (such as presentations at international conferences, publication of papers in international academic journals).</p>

(Course in Training Sciences) - 2

Faculty Member Name	Fields of Research Supervision
<p>★★ Professor KIKUCHI Naoki Doctor (Health and Sport Science)</p>	<p>Fields of Research: Training science, sports genetics</p> <p>Research Keywords: Strength & conditioning, genetic polymorphisms, muscle strength, power, athletic performance, training</p> <p>We conduct research related to the genetic characteristics of athletes and research related to strength and conditioning. By making clear individual differences in physical response to training and risk for injury, our goal is to establish individualized training and conditioning methods. In addition, we're working to put together a consortium to undertake international joint research on the effects of genetic characteristics on athletes' performance and the training effectiveness.</p> <p>The main research themes are as shown below.</p> <p>(1) Exploration of genetic characteristics related to athletic performance and training effectiveness (2) Research into training variables that maximize the effectiveness of strength training (intensity, amount of training, rest periods, frequency, speed change) (3) Development and proposal of products to monitor the effectiveness and quality of training</p>
<p>★★ Professor SUGITA Masaaki Doctor (Science)</p>	<p>Fields of Research: Training science, physical fitness science</p> <p>Research Keywords: Athletic performance improvement, training science, physical fitness science, conditioning</p> <p>We undertake practical sports science research for training and conditioning to enhance athletic performance with the themes below.</p> <p>(1) Research into the relationship between performance and physical fitness factors for sports athletes (2) Research into high-altitude training and hypoxic training (3) Research into measures to deal with heat and cold in exercise performance (4) Research into conditioning for competitive athletes (5) Research into analysis of the performance of competitive athletes</p>
<p>★★ Professor SUNAGA Mikako Doctor (Medicine)</p>	<p>Fields of Research: Exercise physiology, training science</p> <p>Research Keywords: Menstrual cycle, female athletes, conditioning, gender differences, energy metabolism (carbohydrate metabolism, lipid metabolism, amino acid metabolism)</p> <p>Building a strategic training program and developing conditioning plan are required when it comes to improving performance while maintaining a healthy body. In this laboratory, we use exercise physiology techniques to analyze the effects of different conditions including training and nutritional intake on exercise performance and training effectiveness in human subjects, and conduct research with the aim of feeding our results back so that they may leveraged on the front line of sports.</p> <p>With a particular focus on the impact of gender differences and menstrual cycle, we undertake the following types of research.</p> <p>(1) Development of conditioning methods that take the menstrual cycle into account (2) Investigation into training programs that take female morphological and physiological traits into account (3) Research into prevention and improvements related to the "Female Athlete Triad"</p>
<p>★ Associate Professor TAKAI Hideaki Doctor (Health and Sport Science)</p>	<p>Fields of Research: Sports psychology</p> <p>Research Keywords: Competitive sport, athletes, stress, information processing process, cardiac autonomic activity</p> <p>We're working on foundational research into sports psychology, and undertaking investigatory work focusing on the flow of information processing and cardiac autonomic activity associated with human physical activity. In particular, our research focuses on clarifying the psychological and physiological responses of athletes under stressful conditions in competitive sports.</p>
<p>★★ Professor NISHIYAMA Tetsunari Doctor (Medicine)</p>	<p>Fields of Research: Training science, biomechanisms</p> <p>Research Keywords: Performance enhancement, biomechanics, physiology, technical and fitness assessment, scientific support, bicycle racing</p> <p>(1) We take on research concerning skills and physical strength evaluation and the related training and instruction methods for the purpose of improving sports performance. (2) In the scope of research is foundational and practical research that is useful for scientific support and guidance based on biomechanics and physiology methods. (3) Get ideas for next theme from the feedback (discussion) of research data to coaches and athletes. (4) We work to develop the sensibility required for general coordination of performance improvement from the perspective of sports medicine for groups or individuals.</p>
<p>★★ Professor HWANG Inkwan Doctor (Health and Sport Science)</p>	<p>Fields of Research: Training science, physical fitness, exercise prescription</p> <p>Research Keywords: Training science, athletic performance improvement support, exercise prescription and exercise therapy, advancing age and aging, sport genes</p> <p>With a main focus on human physical capability (physical strength) and especially trainability, in this laboratory we aim to undertake fundamental research pertaining to the proposal of new indicators through the building of fundamental data from various perspectives and the development of exercise and training prescriptions.</p> <p>The ideal research in this area is to enhance and maintain athletes' athletic performance, and establish the proposals and theories of specific training methods that leads to the elucidation of the related risk factors and improvement as a practical sports science research (including the development of children during their growth periods and exercise to ensure healthy longevity for the elderly).</p>

(Course in Health and Sport Medical Sciences) - 1

Faculty Member Name	Fields of Research Supervision
<p>★★ Professor OKADA Takashi Doctor (Health and Sport Science)</p>	<p>Fields of Research: Training science, sports orthopedics, athletic rehabilitation</p> <p>Research Keywords: Strength training, muscle hypertrophy, lean, weight loss, sports injuries and trauma, dynamic joint control, lower back pain, intervertebral disk degeneration, recovery, sleep, core muscle, bodybuilding, judo</p> <p>Training science field (1) Development of effective training methods for localized muscle areas <ul style="list-style-type: none"> • Research into region-specific and longitudinal muscle activity • Research on internal concentration to enhance muscle activity in target muscles • Development of training methods for deep trunk muscles (2) Exploration of neurophysiological mechanisms that enable high muscle output (3) Development of effective body fat removal methods (lean) (4) Research into sleep and strength training and lean, etc.</p> <p>Sports orthopedics, athletic rehabilitation field (1) Lower back pain, intervertebral disk degeneration (2) Dynamic control of joints by the agonist and antagonist muscles (3) Tendinopathy, etc.</p>
<p>★★ Professor OKUDA Hiroshi Doctor (Medicine)</p>	<p>Fields of Research: Sports medicine, genomic medicine</p> <p>Research Keywords: Nephrology, genetic statistics, GWAS, emergency medicine, medical education, primary care, performing arts medicine, sumo, judo</p> <p>Starting from the perspective of sports, we treat music and other performing arts as sports and we aim to identify and elucidate a range of phenomena. Many things that we take for granted have, surprisingly, not actually been scientifically proven. The first step in research is to "question" the things that we take for granted and do as a matter of convention. It doesn't matter if question is very simple, so let's take the desire to find out "why" seriously in research. Let's start with a research question based on your own "why". This laboratory has just been established recently, so there are currently no research themes underway. And that's why you can specify any theme for your research topic. The research supervisor's areas of interest are listed below, but proposals for research projects based on graduate student's own interests are also welcome. Graduate school students on doctoral courses will also proactively undertake presentations at academic conferences and write author papers. (1) The impact of sports on renal function (2) Sports in patients with renal failure (3) Sports and genetics (4) Research that looks at music from the aspect of exercise (5) Tension in performing arts and interpersonal sports</p>
<p>★★ Professor OKAMOTO Takanobu Doctor (Human Science)</p>	<p>Fields of Research: Exercise physiology, health physiology, health and exercise studies, health promotion studies</p> <p>Research Keywords: Comprehensive lifestyle disease prevention, successful aging, healthy life expectancy, arteriosclerosis, vascular endothelial function, dementia, sarcopenia, health promotion</p> <p>We undertake research aimed at "comprehensive lifestyle disease prevention" to comprehensively prevent cardiovascular disease, nursing care, and dementia with the goal of lifelong health for people of all ages from young to old. The main research themes are as follows. (1) Development of resistance exercise and aerobic exercise methods for prevention of comprehensive lifestyle diseases (2) Examination of polyphenol intake methods to enhance health promotion effects (3) Elucidating the health promoting effects of skeletal muscle electrical stimulation training (4) Develop health promotion programs to improve muscle, respiratory circulation and cognitive function (5) Exploring the relationship between age-related changes in physical fitness, respiratory circulation, and cognitive function We welcome students who wish to pursue research from an international perspective (such as presentations at international conferences, publication of papers in international academic journals).</p>
<p>★ Associate Professor KIDOKORO Tetsuhiro Doctor (Education)</p>	<p>Fields of Research: Growth and development, exercise epidemiology, public health</p> <p>Research Keywords: Children, physical activity, sedentary activity, physical fitness, lifestyle diseases, joint international research</p> <p>We conduct research on improving physical fitness and preventing lifestyle diseases through physical activity for children. Using data from large cohort studies in Japan and abroad, we conduct research using epidemiological methods. The main research themes are as follows. (1) Research into early lifestyle disease prevention in children (2) International joint research on physical activity and physical fitness of children (3) Research into the creation of environments that promote physical activity</p>
<p>★★ Professor KIMURA Naoto Doctor (Health and Sport Science) Doctor (Medicine)</p>	<p>Fields of Research: Health science, hygiene and public health</p> <p>Research Keywords: Energy metabolism, health management, stock walking</p> <p>The field of instruction covers the effect of exercise, nutrition, and recuperation related to the maintenance and promotion of human health and improvement of physical fitness, particularly exercise-related health management (health science). (1) Environmental factors and health (2) Evaluation of skeletal muscle energy metabolism and its relationship to exercise (3) The relationship between muscle oxygenation dynamics and performance (4) The relationship between biological burden (muscle fatigue) and health</p>

(Course in Health and Sport Medical Sciences) - 2

Faculty Member Name	Fields of Research Supervision
<p>★ Professor KOBAYASHI Masatoshi Master (Physical Education) Doctor (Medicine)</p>	<p>Fields of Research: Microanatomy, health education</p> <p>Research Keywords: Skeletal muscle histochemistry, health education, exercise and glucose, lactate metabolism</p> <p>We explore and examine the factors and environments involved in maintaining and promoting health. (1) Histochemical investigation of cells involved in the regenerative process of skeletal muscle (2) Exercise and health-related functions</p>
<p>★★ Professor SAITO Yoshinobu PhD (Health Management)</p>	<p>Fields of Research: Epidemiology of Sport and Physical Activity, Health Promotion, Health and Sport Management</p> <p>Research Keywords: Physical Activity, Epidemiology, Public Health, Health Promotion, Health Behavior Theory, Ecological Model, Activity Friendly Environments, Systems Approach, Dissemination and Implementation Science</p> <p>My research focuses on "Health and Sport Management," which involving the planning, implementation, evaluation, improvement, and social dissemination of health promotion through sport and physical activity</p> <p>Main research themes include: 1. Epidemiological studies on safe and effective sport and physical activity 2. Promotion and dissemination of sport and physical activity from public health and health promotion perspectives</p>
<p>★★ Professor SUNAGA Mikako Doctor (Medicine)</p>	<p>Fields of Research: Exercise physiology, training science</p> <p>Research Keywords: Menstrual cycle, female athletes, conditioning, gender differences, energy metabolism (sugar metabolism, lipid metabolism, amino acid metabolism)</p> <p>Building a strategic training program and developing conditioning plan are required when it comes to improving performance while maintaining a healthy body. In this laboratory, we use exercise physiology techniques to analyze the effects of different conditions including training and nutritional intake on exercise performance and training effectiveness in human subjects, and conduct research with the aim of feeding our results back so that they may leveraged on the front line of sports. With a particular focus on the impact of gender differences and menstrual cycle, we undertake the following types of research. (1) Development of conditioning methods that take the menstrual cycle into account (2) Investigation into training programs that take female morphological and physiological traits into account (3) Research into prevention and improvements related to the "female athlete triad"</p>
<p>★ Associate Professor TAMURA Yuki Doctor (Science)</p>	<p>Fields of Research: Molecular exercise physiology, molecular exercise metabolism</p> <p>Research Keywords: Skeletal muscle, fat, mechanobiology, mitochondria, lysosomes, thermal stimulation, sarcopenia, disuse muscle atrophy, training, rehabilitation</p> <p>With a focus on creating effective training and rehabilitation, we are undertaking basic research using molecular biology methods. We also aim to understand the energy metabolism of skeletal muscle in detail by leveraging advanced genetic engineering and information science techniques. The research areas we are currently working on are listed below. 1. Clarification of "cellular/organs/individual adaptations" and "molecular mechanisms" associated with exercise, inactivity, aging, disease, etc. 2. "Building the biomedical basis" and "exploring novel indications" for physical therapy 3. "Exploration and verification" of new nutritional materials and their "application to training/rehabilitation"</p>
<p>★★ Professor TSUYAMA Kaoru Doctor (Health and Sport Science)</p>	<p>Fields of Research: Growth and development</p> <p>Research Keywords: Children, middle aged, athletes, athletic performance, training</p> <p>The main fields of research supervision include (1) the effects of physical exercise and lifestyle habits on physical fitness, (2) the relationship between physical fitness and exercise in children, and (3) the relationship between physical fitness and exercise in middle-aged and elderly people.</p>
<p>★★ Professor NAKAZATO Koichi Doctor (Science)</p>	<p>Fields of Research: Sports physiology and biochemistry, basic sports medicine</p> <p>Research Keywords: Aging, muscle damage, muscle hypertrophy, muscle atrophy, animal and cellular models, genetic polymorphisms, muscle protein synthesis, muscle protein degradation, extracellular matrix</p> <p>The main themes of research are examination of the physiological and biochemical responses or adaptations of musculoskeletal tissues (skeletal muscles, tendons, ligaments, etc.) to mechanical stimulation and a wide range of other external factors at the molecular, cellular and tissue levels. Research is always conducted while keeping in mind practical application to sports physiology, training methods, sports injuries, and sports medicine. Students who wish to join this laboratory must be prepared to invest a considerable amount of time and effort, especially since we focus on molecular-level studies and require students to work independently to generate their own data. We believe, however, that this investment of time and effort will be beneficial for students. Specific research themes are as follows. (1) Analysis of molecular mechanisms of muscle damage development and repair processes using experimental models (animals and cells) (2) Analysis of molecular mechanisms of skeletal muscle adaptation to voluntary or involuntary muscle training using experimental models (animals and cells) (3) Elucidation of the mechanism of skeletal muscle atrophy associated with aging or systemic inflammation and overcoming it (4) A basic study of the effects of polymorphisms in human gene structure on musculoskeletal tissues</p>

(Course in Physical Education and Health Education)

Faculty Member Name	Fields of Research Supervision
<p>★★ Professor OKADE Yoshinori Doctor (Education)</p>	<p>Fields of Research: Pedagogy of Physical education, Sport Pedagogy</p> <p>Research Keywords: Curriculum theory, Instructional theory, teacher education theory</p> <p>Research will be related to (1) curriculum theory, (2) instruction theory, and (3) teacher education theory, which are subjects of research in physical education. Examples of themes include international comparison of curriculum and curriculum evaluation in curriculum theory, verification of the effectiveness of instruction theories in instruction theory, and verification of the effectiveness of strategies to promote the development of physical education teachers in teacher education theory.</p>
<p>★ Professor OKAMOTO Miwako Doctor (Nursing)</p>	<p>Fields of Research: Reproductive health, maternal and child health</p> <p>Research Keywords: Child raising support, women's health, child health, child abuse, reproductive health</p> <p>The main focus of research is on women's and children's health issues and health support.</p> <p>(1) Women's health issues and health support from a life cycle perspective (2) Children's health and environment in fetal, infant, and school age (3) Health education in puberty (4) Child raising support for female athletes</p>
<p>★★ Professor KONDOH Tomoyasu Doctor (Health and Sport Science)</p>	<p>Fields of Research: Physical education, sports education</p> <p>Research Keywords: Curriculum, physical education class research, teaching materials and teachers</p> <p>(1) Curriculum theory for physical education • Research into goals in the curriculum of physical education (2) Educational guidance theory in physical education • Research into teaching materials for physical education • Research into teacher behavior (3) Research into physical education classes • Research into learning effects in physical education • Research into the behavior of child students</p>
<p>★ Professor SHIKANO Akiko Master (Education) Doctor (Health and Sport Science)</p>	<p>Fields of Research: School health studies, growth and development studies</p> <p>Research Keywords: Children's mind and body, nursing teacher</p> <p>Our research focuses on children's bodies and minds and the nursing teachers who support them, and we undertake field research into children's bodies and minds at school and other educational sites on a daily basis. The main fields of research are (1) duties of nursing teachers, nursing activities, and functions of the sickroom (2) school health (3) general children's physical and mental health issues.</p>
<p>★★ Professor SUZUKAWA Kazuhiro Doctor (Medicine) Doctor (Health and Sport Science)</p>	<p>Fields of Research: Health promotion, public health</p> <p>Research Keywords: Children, lifestyle habits, exercise habits, activity strength, defensive strength, immunity, fatigue, mental health, health promotion, health education, school health</p> <p>The areas of research and instruction that we focus on include areas that health and physical education teachers and nursing teachers should address, including the need for children's physical education and sports, health activities at schools, and research on health promotion. In particular, we will research the necessity of exercise for the benefit of health by undertaking measurements and surveys focusing immunocompetence and other aspects of defensive strength regarding the impact on children's bodies of lifestyle habits and exercise habits. Given the characteristics of this university, we will also work on research with the theme of conditioning for athletes in sport.</p> <p>(1) Investigation into the effects of exercise on health (prevention of lifestyle diseases, health promotion, etc.) (2) Consideration of the need for physical education and sports for children (consideration of lifestyle, exercise habits, defensive fitness, immunocompetence, sense of health, mental health, etc.) (3) Research into health management, health education, and health measures for children (4) Research into school health and health promotion (5) Research into health activities and the environment at schools</p>
<p>★★ Professor NOI Shingo Doctor (Health and Sport Science)</p>	<p>Fields of Research: Educational physiology, school health, growth and development, physical education</p> <p>Research Keywords: Educational physiology, school health, growth and development, physical education, children's bodies, children's physical fitness, children's health</p> <p>The keywords are "children", "body", "mind", "physical strength", "health", "vibrancy", "daily life". Research fields: Educational physiology, school health, growth and development, physical education. Based on what teachers and nursing teachers in childcare and education, as well as mothers and fathers who are raising children, actually feel when they suspect there is "something wrong" with or are "slightly concerned" about a child's body, mental state, physical strength, health, vitality, or daily life, research specifically involves activities to clarify the facts concerning children's bodies and seek to identify the true state of affairs (research to discover problems), and activities to make improvements concerning the health issues discovered and ensure children are healthy and vibrant (research to solve problems).</p>

■ Degree Program in the Science of Sport Coaching(by course) - 1

Faculty Member Name	Fields of Research Supervision
<p>★★ Professor ITO Masamitsu Doctor (Science)</p>	<p>Fields of Research: Coaching studies, coach education</p> <p>Research Keywords: Athlete centered coaching, coach education, coach developer</p> <p>In this laboratory, we are working on research into the nature of learner-centered instruction with athlete-centered coaching as keywords. The theme of the research is not the WHAT of coaching (research focusing on athletes), but the HOW of coaching (research focusing on coaching). The research uses qualitative and quantitative methods, or mixed methods where a combination of both is used. On the Doctor's Program, students will refine their own skills as a future coach developer or coach educator.</p>
<p>★★ Professor UCHIYAMA Haruki Doctor (Health and Sport Science)</p>	<p>Fields of Research: Coaching science, physical education and sports philosophy</p> <p>Research Keywords: Coaching, coaches, competitive sports, competitiveness, competitive characteristics, athletes, teams, techniques, tactics, basketball</p> <p>Thus far, with a focus on basketball, which has the most complex competitive characteristics among competitive sports, we have undertaken research into the essential components of the game, including techniques, tactics, physical fitness, and training methods unique to team sports. Currently, we are working on the elucidation of the factors and elements pertaining to the formation and improvement of competitive ability in basketball including coaching mechanisms and the purpose of coaches and deep structured mechanisms to control their inter specificity, by applying various types of knowledge from philosophy and modern thought as a general-purpose thought tool.</p> <p>The main research themes over the past five years are as follows.</p> <ol style="list-style-type: none"> (1) The academic nature of coaching science (2) Research into the concepts and mechanisms involved in the conceptual nature of sports coaching (3) Exploration of guidelines for collaborative action in team sports (4) Investigation into the prerequisites involved in generating team performance (5) The causal relationship between "game flow" and winning/losing in basketball
<p>★ Professor OISHI Kenji Doctor (Health and Sport Science)</p>	<p>Fields of Research: Sports/game performance analysis</p> <p>Research Keywords: Sports/game performance analysis, sports Analytics, tactics, strategy, statistics, probability theory, evaluation field (measurement) investigation and development, examination and development of analytical methods</p> <p>The main research themes are "sports/game performance analysis". In the research, we examine team tactics and challenges from statistics and probability theory by quantified the sports.</p> <p>Over recent years, the availability of biometric wearable devices and small video cameras has made it possible to easily quantify sports performance, such as passing and shooting, as well as the movement (distance and speed) and heart rate data of individual athletes. As such, this research theme involves the quantification of sports using GPS data and image data, investigation into figures that are related to winning and losing, and the prediction of future games. From these research results, we will consider the team tactics and challenges that are useful for coaching. There are currently no restrictions on the type of sports that can be covered in the research, but mainly focus on soccer, handball, volleyball, and other such ball games.</p>
<p>★★ Associate Professor SARODO Shigeki Doctor (Philosophy)</p>	<p>Fields of Research: Coaching studies</p> <p>Research Keywords: Coaching principles, coaching philosophy, coach development</p> <p>We undertake research into the original theory of what coaching actually is, research into the philosophy that coaches have, and research into coach development, focusing on coaches' learning and on coach developers who support this learning.</p>
<p>★★ Professor SUGITA Masaaki Doctor (Science)</p>	<p>Fields of Research: Coaching studies, training science</p> <p>Research Keywords: Coaching using sports science, training science, physical fitness science, conditioning, and performance analysis</p> <p>With the aim of applying the results to create more effective coaching practices, we work on the development of programs for physical fitness factors and conditioning that increase the athletic performance of athletes, and conduct research on various training methods and their effects using mainly sports physiological methods as well as performance analysis of various competitions. Through these, we conduct practical research on sports science that contributes to coaching.</p>
<p>★ Associate Professor TAKAI Hideaki Doctor (Health and Sport Science)</p>	<p>Fields of Research: Sports psychology</p> <p>Research Keywords: Sports mental training, sports counseling, relaxation</p> <p>We are working on practical research into sports mental training and sports counselling aiming to improve the athletic performance of athletes and enabling to fulfill their potential. In particular, we are investigating the effect of relaxation techniques that include autogenic training, progressive relaxation, and biofeedback methods utilized as a way to deal with stress.</p>
<p>★★ Professor NISHIYAMA Tetsunari Doctor (Medicine)</p>	<p>Fields of Research: Training science, biomechanisms</p> <p>Research Keywords: Performance enhancement, biomechanics, physiology, technical and fitness assessment, scientific support, bicycle racing</p> <ol style="list-style-type: none"> (1) We take on research concerning skills and physical strength evaluation and the related training and instruction methods for the purpose of improving sports performance. (2) In the scope of research is foundational and practical research that is useful for scientific support and guidance based on biomechanics and physiology methods. (3) Get ideas for next theme from the feedback (discussion) of research data to coaches and athletes. (4) We work to develop the sensibility required for general coordination of performance improvement from the perspective of sports medicine for groups or individuals.

■ Degree Program in the Science of Sport Coaching(by course) - 2

Faculty Member Name	Fields of Research Supervision
<p>★ Professor NAMBU Saori Doctor (Medicine)</p>	Fields of Research: Medicine, law, psychology, sociology, integrated social science fields
	Research Keywords: Child abuse, corporal punishment, safety instruction in club activities, school accidents, juvenile delinquency
	<p>Sports crisis management studies Research into safety instruction in sports, analysis of causes of sports accidents and prevention of recurrence, corporal punishment, power harassment, and abusive language instruction, research into the form of school club activities, research into overcoming difficulties/enjoyability/safety instruction in school physical education, improvement of qualifications of sports instructors, and school safety including the impact of sports activities on juvenile delinquency and crime Research into bullying, enforced and traumatic club activities, inappropriate instruction from teachers, harassment in educational settings, violence against teachers, and non-attendance, child abuse and the impact of parent-child relationships on child socialization</p>