

講義ユニット名 Title of Lecture	Hygienics		所属科目名 Title of Course	Social Medicine
講義ユニット責任者 Responsible Instructor	TANAKA JUNKO	所属 Affiliation	Epidemiology, Infectious Disease Control and Prevention (内線 Ext. Number 5160)	
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講義ユニットコーディネーター Lecture Coordinator	TANAKA JUNKO	所属 Affiliation	Epidemiology, Infectious Disease Control and Prevention (内線 Ext. Number 5160)	
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授業方法 Lesson Style	<p>Lectures and onsite training.</p> <p>In practical training (Thursday and Friday), students will be divided into two groups and the Hygienic Division and Public Health and Health Policy Division will provide training. A written examination will be given after each lecture. Occasional reports on onsite training will be assigned. After completing practical training, students will be required to make a presentation of their training report. They will also be required to submit their report on the training.</p>			
概要 Overview	<p>[Lectures and onsite training]</p> <ul style="list-style-type: none"> ○Acquire knowledge of health statistics, health levels, medical research designs, and relevant issues. ○Understand the basics of epidemiology and acquire the epidemiology methodology. ○Develop abilities to apply knowledge in practice based on actual cases of epidemiological responses to infections that will be presented in lectures. ○Understand blood services and screening to ensure the safety of blood for transfusion. ○Acquire knowledge on the pathology and control methods of various chronic diseases. ○Learn about epidemiological and clinical studies in Japan and abroad. ○Learn about medical statistics. <p>[Practical training] Thursday and Friday</p> <ul style="list-style-type: none"> ○Each group will select their theme (objective, method, and expected results). ○Students will make a public presentation on results from their practical training. ○Students will prepare a report on their practical training. 			

<p>講義ユニットの 到達目標 Academic Goals</p>	<ol style="list-style-type: none"> 1) Explain the concepts of health, injury and disease. 2) Give an outline of the relationships between the social structure (family, community, local community, and internationalization) and health/disease. 3) Give an outline of the relationships between environment and health/disease (environment and adaptation, host-environment system, the cause of a disease and health behavior, environmental standards and environmental assessment, environmental pollution and environmental conservation). 4) Give an outline of the effects (toxic substances, environmental carcinogens, and endocrine disruptors) of changes in ecosystems on health and life. 5) Explain the relationships of changes in the global environment, ecological cycles, and biological concentration with health. 6) Explain static statistics of population and vital statistics of population. 7) Explain the definition, classification, and International Classification (ICD) of disease. 8) Explain statistics on disease, prevalence, and injury; the age adjustment coefficient; and the standardized mortality ratio (SMR). 9) Explain the concept of epidemiology and epidemiological indices. 10) Give an outline of preventive medicine (primary, secondary, and tertiary prevention). 11) Explain the biometric function table (life expectancy and average lifetime). 12) Explain health management, health examination, and post-examination instructions. 13) Give an outline of industrial health (including labor-related laws and regulations). 14) Explain the outline of the Infectious Diseases Control Law and the Food Sanitation Law and reporting obligations. 15) Explain the significance and current state of vaccination. 16) Explain the significance of the reporting of adverse drug reactions and adverse events. 17) Give an outline of differences between clinical research, clinical study, clinical trials, and post-marketing clinical study. 18) Explain the ethics required for medical practice for research purposes. 19) Give an outline of study designs (double blind, randomized comparative, non-randomized comparative, observational, case-control, cohort, and meta-analysis).
<p>講義日程 Class Schedule</p>	<p>See the attached schedule.</p>
<p>出席の取り扱い Class Attendance</p>	<p>Class attendance 1: A student whose attendance is less than two-thirds of all the classes may not be allowed to take the final examination.</p> <p>Class attendance 2: Mandatory practical training: In general, no absence is permitted</p>

Policy	<p>except for special circumstances. Students may not be allowed to take examinations depending on their class attendance.</p> <p>If there is a student who hinders other students from learning in a class, his/her attendance in the class may be restricted.</p>
評価項目 Evaluation Item	<p>Achievement level of goals (basic understanding and application of knowledge)</p>
評価法 Evaluation Method	<p>Grading of the unit of Hygienics will be based on all the following elements:</p> <ul style="list-style-type: none"> ○Attendance in lectures and practical training sessions ○Written examination result ○Submission of reports on onsite training ○The content of a presentation on practical training and submission of reports on practical training <p>[Important points]</p> <ol style="list-style-type: none"> 1. To earn the credits for "Social Medicine," it is required to complete all the required courses in Hygienic, Public Health, and Forensic Medicine. 2. Therefore, a student who has failed to earn the credits for Social Medicine and will repeat a year needs to repeat the same courses in Hygienic, Public Health, and Forensic Medicine again next year. 3. Pay careful attention to the requirements (for attendance, examinations, and practical training) when taking classes.
履修上のアドバイス Advice for Taking the Lecture	<p>Learn how to conduct research that aims to control diseases and the process of thinking through lectures and onsite training on the basics and application of epidemiology and epidemiology methodologies that are necessary to conduct medical and clinical research.</p> <p>The content and order of lectures and practical training sessions may change. Whenever change is made, it will be announced via Momiji and also through the student representative.</p> <p>Questions on the content of a lecture and practical training are always welcome.</p>
推奨参考書 Recommended Reference Books	<p>Information on references will be provided in classes.</p>