

<b>Course title</b> <English>	環境・感染論 Environment and Infection		<b>Affiliated department, Job title, Name</b>	Center for Southeast Asian Studies Professor, NISHIBUCHI MITSUAKI	
<b>Target year</b>	Professional degree students	<b>Number of credits</b>	2	<b>Course offered year/period</b>	2017/Intensive, Second semester
<b>Day/period</b>	Intensive	<b>Class style</b>	Lecture	<b>Language</b>	Japanese and English
<b>[Outline and Purpose of the Course]</b>					
Through lectures, report presentations by the students followed by group discussions, students are guided to understand various factors that influence the emergence and spread of infectious diseases of humans, especially those in the environments, and their interactions and association with other factors.					
<b>[Course Goals]</b>					
To acquire the ability to analyze various factors, including the natural environments where pathogens persist, man-made environments, and resistance of humans against infection, and to integrate these factors with an ultimate goal to understand infectious diseases from an ecological stand point.					
<b>[Course Schedule and Contents]</b>					
This course essentially consists of lectures given by the lecturer, M. Nishibuchi, (agenda nos. 1 ~ 9); seminar-style report presentation by the graduate students, (agenda nos. 10 ~ 13); an on-site study at a quarantine station where qualified graduate students are allowed to participate regardless of the registration for this course if the number of the applicants is within the limit.					
<ol style="list-style-type: none"> <li>1. Background to study infectious diseases (infect. dis.) (lecture [lec.])</li> <li>2. Emerging infect. dis.: the most important infect. dis. in developed countries (lec.)</li> <li>3. Development and infect. dis. in developing countries: a study in Indonesia (lec.)</li> <li>4. Water and health (lec.)</li> <li>5. Pandemic: infect. dis. that spread on a global scale (lec.)</li> <li>6. Infect. dis. at issue (lec.)</li> <li>7. Molecular epidemiological analysis of infect. dis. (lec.)</li> <li>8. Infect. dis. in Japan and foreign countries (lec.)</li> <li>9. Factors influencing the emergence and spread of a selected infect. dis. I (sem.)</li> <li>10. Factors influencing the emergence and spread of a selected infect. dis. II (sem.)</li> <li>11. Factors influencing the emergence and spread of a selected infect. dis. III (sem.)</li> <li>12. Factors influencing the emergence and spread of a selected infect. dis. IV (sem.)</li> <li>13. Factors influencing the emergence and spread of a selected infect. dis. V (sem.)</li> <li>14. Study tour to a quarantine station: an on-site study for prevention of infect. dis.</li> </ol>					
<b>[Class requirement]</b>					
<p>The explanations in handouts and power point slides are described in both Japanese and English. The lecture may be delivered in English if the situation suggests it is better to do so, e.g., designation of this course as a course of Global Survivability and Sustainability Unit of Leading University Program, the mother tongues of more than half of the students being non-Japanese; and if the students agree.</p> <p>A lecture(s) may be cancelled due to an avoidable reason. If the students agree, a part of or all lectures may be arranged so that they are given intensively on a special day(s).</p> <p>When the agenda 13 is completed, students will be asked to provide opinions to the lecture to help</p>					
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improve the course in the future.

A study tour to a Quarantine station (agendum 14) is likely be carried out in the middle or near the end of February because it requires almost all day of one ' s schedule including travel between Kyoto and the quarantine station and the study at the quarantine station needing all afternoon working hours. The tour to Kansai Airport Quarantine Station is scheduled to study how the safety of travelers is guaranteed for the next academic year. The visiting schedule to the two quarantine stations are repeated every other year and is made open to interested students so that the students registered at related graduate schools/institutes for more than two years have a chance to visit both quarantine stations. The tour to Kobe Quarantine Station is scheduled to learn on site how safety of imported food is assured.

### [Method, Point of view, and Attainment levels of Evaluation]

The agenda indicated below as the targets of evaluation will be put together to determine the final total score.

The grade of the students will be determined based on the following standard: attendance to a series of lectures given by the lecture (agenda 1 to 8: 40%), oral presentation of the report (agenda 9 to 13: 40%) and activity at discussion on the presentations by other students (agenda 9 to 13: 20%) with the basis for evaluating the latter two being intelligence, positive attitude, sharp observation, insight, and the ability to express his/her opinion.

Attendance to the tour to the quarantine station is optional and is independent of the students ' grade as it cannot be performed in time for the grade submission.

Those who need a credit (grade) must orally present a report for discussion. Otherwise, the grade will not be submitted.

### [Textbook]

Not used

Textbook will not be used. The materials to help students better understand the lecture will be provided by the lecturer. These include handouts describing the summary of the lectures both in Japanese and English and copies of scientific papers as supplementary reading.

Reference books may be borrowed from the instructor; the students do not need to purchase them.

### [Reference books, etc.]

#### ( Reference books )

Marc Gentilini. 1993. Translated into Jap. by T. Shimizu et al. 『M#233decine Tropicale』 ( Nakayama-Shoten ) ( Originally written in French )

Ed. R. L. Guerrant et al. 2006 『Tropical Infectious Diseases 2nd ed』 ( Churchill Livingstone Elsevier ) ( Written in detain and in a very professional fashion )

### [Regarding studies out of class (preparation and review)]

A preliminary or follow up study is not always necessary.

If there is a request for related information, however, it will be provided by the lecturer upon request.

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( Others (office hour, etc.) )

Contact information:

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\*Please visit KULASIS to find out about office hours.