

OST 694: One Health in Nepal (Kathmandu, Chitwan)

Fall 2024, 12/14/2024 –12/28/2024.

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Faculty & Staff Information

Course Director Biosketch

Contact Information	Biosketch
 <p>Sung Soo Chung, MS, MPH Chungsu1@msu.edu 517-884-6620 Primary Site: EL Office Hours: M-F, 8am to 5pm. Other days/times available by request.</p>	<p>Sung Soo Chung is serving as the Associate Director, and has worked for the Institute for Global Health since 2012. Chung has also worked for VIPP for more than 15 years and is responsible for new international higher education program development and implementation with Korea and other countries in Asia, the Middle East, Latin America, and North Africa. Chung identifies potential program areas and collaborative opportunities for Michigan State University with companies, government agencies, and educational institutions abroad. He also works as a program planner and implementer with a variety of program sponsors in Korea, Japan, Brazil, Turkey, Kazakhstan, Costa Rica, Vietnam, Thailand, Libya, Saudi Arabia, and Uzbekistan, including the Ministry of Education, Samsung, SK Telecom, Energy Market Regulatory Authority, Istedod Foundation, University of Costa Rica, Denki Rengo, University the Ryukyu, Foreign Trade University, Bangkok Glass, Saudi Arabia Cultural Mission, among others.</p>

Contributing Faculty

Name	Email	Phone	Location
William Cunningham, DO, MHA	cunni164@msu.edu	517-353-8992	EL
Dalen Agnew, DVM, PHD	Agnewd@msu.edu	517-353-8992	EL

Curriculum Assistants (CAs)

Name	Email	Phone	Location
Sabrina Vieyra Hollenbeck	Vieyras1@msu.edu	517-884-3788	EL

Who to Contact with Questions

Question, Need, or Topic	Contact Person
Course - Logistics & Details	Contact CA or CD for rooms, groups, materials, links, schedule, etc.
Course - Overall	Contact Course Directors (in bold above).
Course - Specific Content	Contact Contributing Faculty for the content (see schedule).
Absences	Contact Course Directors (in bold above).
Behavior	Submit exemplary or concerning behavior to the CGPI .
Enrollment	Inquire with MSUCOM Registrar .
Personal/Wellness Needs	Inquire with Wellness & Counseling .
Study Skills or Progression	Inquire with Academic & Career Advising .
Technical Support	Inquire with MSU IT Service Desk . Indicate COM affiliation.

Course Information

Course Description & Overview

OST 694 is a 6-credit hour elective that provides students with an overall purpose as follows: Enriching students' understanding of the One Health concept which is the recognition of the interconnected nature of humans, animals and the environment, and the direct impact each system has on the other. This program will allow students to see and experience the interconnected nature of these systems and then work on a project which involves at least two of the systems. In a broad sense, students will try to understand health and disease through the interdisciplinary lens of One Health while exploring the unique culture of Nepal.

Learning Opportunities

- Public Health
- Health disparity and inequity
- Interaction with local public health epidemiologists, researchers, veterinarians, physicians, researchers, laboratorians, game wardens and NGOs
- Developing zoonotic disease research interests
- Considering future professional opportunities in global health
- Through various living and sustainable technology, conserve ecological approaches of nature
- Compare and contrast the U.S. human and animal health and agriculture systems with that of the host country.

Competency	Related Course Objective(s)
Interpersonal & Communication Skills	1. Learn how communicate with patients and local community considering language barriers (Nepalese and other dialects) and how to deliver health education.
Interprofessional Education for Collaborative Practice	2. Understand and articulate the principles of the One Health concept including the inter-related nature of human, animal, and environmental-planetary health in a transdisciplinary and holistic approach health.
Medical Knowledge	3. Test their knowledge on communicable (tropical & infectious) disease, pulmonary infections, neonatal disorders, common gastrointestinal presentations, COPD, stroke and other local burden of diseases.
Osteopathic Principles, Practice, & OMM	4. Develop critical, creative and analytic thinking skills related to the One Health focus areas with special focus on areas of interconnectedness in a holistic aspect. 5. Relate osteopathic principles such as the osteopathic tenets and the values of holistic, person-centered care to the study of animal and environmental health.
Patient Care & Procedural Skills	6. Observe patient-physician interactions and compare to the US methods.
Scientific Method & Literacy	7. Immerse on research topics that can be approached from a One Health Perspective and its correlation with Osteopathic Medicine.
Self-Directed & Lifelong Learning	8. Enhance their ability to interact with cultural differences, understand issues of socio-economic equity, social determinant of health, and consider One Health issues from diverse perspectives. 9. Understand the role students can play as a global citizens/scientists equipped with a broader understanding of the interconnectedness of human, animal and environmental health.
Societal & Cultural Awareness & Advocacy	10. Challenge, understand and appreciate their culture and experiences and how these areas influence their world view.

Textbooks and Resources

Most MSUCOM courses make use of [D2L](#) as a course website to share materials, [Google Calendar](#) to share course schedules, [Zoom](#) to host online meetings, and [iClicker](#) to facilitate audience polling. Visit <https://bit.ly/msucomtech> for reminders on how to access and use these resources. Other course-specific resources include:

Status	Resource
Required	<ul style="list-style-type: none"> • Schelling, E., Zinsstag, J., Stephen, C., Whittaker, M., Crump, L., & Tanner, M. (2021). One health: The theory and practice of integrated health approaches. CAB International. Chapters: 1, 4, 7,9. • Schelling, E., Zinsstag, J., Stephen, C., Whittaker, M., Crump, L., & Tanner, M. (2021). One health: The theory and practice of integrated health approaches. CAB International. Chapters: 12,16.
Optional	<ul style="list-style-type: none"> • The Editors of Encyclopedia Britannica, (2024), <i>People of Nepal</i>, https://www.britannica.com/place/Nepal/People • Khanal, G.N., Bharadwaj, B., Upadhyay, N., Bhattarai, T., Dahal, M., etc., (2023), Evaluation of the National Health Insurance Program of Nepal: are political promises translated into actions, Health Res. Policy Syst. 21 (7), Jan. 2023, doi: 10.1186/s12961-022-00952-w, https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9862822/. • Acharya, K.P., Karki, S., Shrestha, K., Kaphle, K., (2019), <i>One health approach in Nepal: Scope, opportunities and challenges</i>. One Health, 8, Dec. 2019, https://doi.org/10.1016/j.onehlt.2019.100101, https://www.sciencedirect.com/science/article/pii/S2352771419300382?via%3Dihub.

Grading Schema

Course scores will be determined using the following formula:

$$\frac{(\text{attendance} + \text{professionalism} + \text{daily journaling} + \text{report})}{(\text{total points possible})} \times 100\% = \text{Final Percent Score}$$

Course grades will then be assigned based on those course scores as follows:

- **P or Pass** - Satisfactory performance has been achieved and credit will be granted if a student's final percent score is 70% or higher.
- **N or No Grade** - Satisfactory performance has not been achieved and credit will not be granted if a student's final percent score is below 70%.

Grading Scale for non-DO students:

%	GRADE
93.5-100 %	4.0
88.5-93.49%	3.5
83.5-88.49%	3.0
78.5-83.49%	2.5
74.5%-78.49%	2.0 (Minimum passing grade)
69.5%-74.49	1.5
64.5%-69.49%	1.0
<64.49%	0.0

Undergraduate/non-DO students will receive numerical grade. Graduate and advanced practice students (medical students, PA, DNP, etc.) will be assigned a “Pass” on transcript based on 2.0 above or “Fail” if 1.5 or below.

Remediation is not offered for elective courses.

Grading Requirements

The MSUCOM D.O. degree program incorporates both horizontal and vertical curriculum integration, meaning course activities and assessments require ongoing development and integration of knowledge and skills acquired in previous courses. There will be daily reflection essays/journaling assessments in OST 694 – One Health Nepal this semester. Your participation, professionalism, scores on journal assignments and completion of your report will determine your grade in the course.

Required Component	Projected Points	Material to be Covered
Attendance at pre-travel orientation and 1~2-page summary of readings	25	Expectations and introductory information, as well as a summary of required and optional readings (1~2-page)
Evaluation of student performance, professional behavior	15 per week/30 total	Attendance and active participation/engagement at immersive experiences, lectures and debriefings.
Daily Journaling	10 each week/ 20 total	Observations and learnings daily should be reflected on a journal. Students to respond 4-5 questions per day. Journals are due on each Friday of the program
2–3-page reflection report	25	Essay to cover student experience

		and perspectives based on program goals, due one week after the program ends.
Pre- departure and post arrival Survey (OPTIONAL)	0	Surveys to cover impact of the program in their academic education.

Reflection Report

Students must submit a report (1-2 pages) of their cultural and clinical experiences to IGH OFFICE with emphasis on specific health issues, health services, and learning topics described for the program. Students should also explain how this course had impact on them and what research projects they can develop from learning during their stay in Nepal as a One Health aspect.

Please note that your essay is due one week after your program ends and needs to be e-mail to: igh@msu.edu.

Guidelines for your reflection essay:

- No more than 2 pages
- Font: Times New Roman, Size: 12pt. Margins: 1” *Spacing: simple*
- Include a header or a footer with your last name, country you visited and trip dates.
- Include a title for your paper
- Please e-mail your essay in PDF or WORD document

Policies & Resources

Academic Support Resources at MSUCOM

Students are encouraged to connect with [Academic and Career Advising](#) (ACA) to access academic, board, and career advising across the 4-year D.O. curriculum. As a way to acclimate to the MSUCOM curriculum, you may access ACA’s [On Target](#) website for semester roadmaps, tools needed to be successful in the curriculum, and targeted resources for different learning situations. Each semester’s roadmap contains course expectations, tips, potential challenges, notes on longitudinal content and skills integration, and study guides.

College or University Policies with Which Enrolled Students Must Be Familiar

Policy	Location
Common Ground Professionalism Initiative	MSUCOM CGPI Site
Computer-Based Testing	MSUCOM D.O. Student Handbook pp. 39-43
Disability & Reasonable Accommodation	MSUCOM D.O. Student Handbook p. 13

iClicker	MSUCOM D.O. Student Handbook p. 36
Mandatory Class Sessions & Examinations	MSUCOM D.O. Student Handbook p. 43
Medical Students Rights and Responsibilities	Office of Spartan Experiences Site
MSUCOM Academic Code of Professional Ethics	MSUCOM D.O. Student Handbook pp. 66-67
Osteopathic Clinical Training & Student Safety	MSUCOM D.O. Student Handbook pp. 68-72
Preclerkship Attendance & Absence	MSUCOM D.O. Student Handbook pp. 43-45
Relationship Violence & Sexual Misconduct & Title IX	Office for Civil Rights & Title IX Education & Compliance Site
Religious Observance Policy	Office of the Registrar Site
Remediation	MSUCOM D.O. Student Handbook p. 39

Student Feedback

MSUCOM values student feedback, using this to model practice-based learning and improvement and to promote continuous quality improvement of learning experiences.

Route	Description
Informal	We invite you to respectfully provide constructive suggestions to Course Directors, Contributing Faculty, or Curriculum Assistants at any time.
Formal	MSU sends a Student Perceptions of Learning Survey (SPLS) to enrolled students at the conclusion of each course to gain feedback on the course and Course Directors.

Course Schedule and Changes to Schedule or Requirements

Due to external circumstances (e.g., weather/maintenance closures, clinical obligations, student cohort needs, etc.), course requirements published in the course syllabus and/or course schedule may be subject to change. Timely communication regarding changes will be provided to enrolled students via the course [D2L](#) site, [Google Calendar](#), and/or [MSU email](#). Contact curriculum assistants with questions. Any changes made will be considerate of the [MSU Code of Teaching Responsibility](#) and the [Medical Students Rights and Responsibilities](#).

Addendum: Course Schedule

Updated 06.18.24

Date	Time	Topic/Title	Notes
1/Sat., Dec. 14	PM	Arrive at Kathmandu (KTM) Airport and check in at hotel (Kutumba)	Mandatory
2/Sun., Dec. 15	9:00 AM – 5:00 PM 6:00 PM – 8:00 PM	<ul style="list-style-type: none"> • Tour of City-Themal, cultural sites, and a museum • On-site orientation 	Mandatory
3/Mon., Dec. 16	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a clinical site • Clinical shadowing at STIDH* • Didactic Lecture: Tropical & Infectious medicine 	Mandatory
4/Tue., Dec. 17	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a clinical site • Clinical shadowing at STIDH* • Reflection 	Mandatory
5/Wed., Dec. 18	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • Clinical shadowing at STIDH* • Reflection 	Mandatory
6/Thu., Dec. 19	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • Dhulikhel Hospital • Didactic Lecture: 	Mandatory
7/Fri., Dec. 20	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • Primary Healthcare Post & Resources Himalaya Foundation (environmental health) • Reflection 	Mandatory
8/Sat., Dec. 21	All day	<ul style="list-style-type: none"> • Breakfast • Moving to Chitwan & Check in Hotel 	Mandatory
9/Sun., Dec. 22	7:00 AM – 9:00 AM 9:00 AM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast • Cultural Excursion – Chitwan National Park, such as elephant safari • Elephant and Crocodile Breeding center 	Mandatory

Date	Time	Topic/Title	Notes
10/Mon., Dec. 23	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • AFU - animal health • Lecture: Zoonotic Diseases 	Mandatory
11/Tue., Dec. 24	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • AFU - animal health • Reflection 	Mandatory
12/Wed., Dec. 25	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • Moving to Kathmandu & Check in at Kutumba • Rest & free time 	Mandatory
13/Thu., Dec. 26	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast & Move to a site • Living Mountain Lab, ICIMOD (environmental health) – Research projects by each team of students • Reflection 	Mandatory
14/Fri., Dec. 27	7:00 AM – 9:00 AM 9:00 AM – 2:00 PM 3:00 PM – 5:00 PM	<ul style="list-style-type: none"> • Breakfast • Developing research projects at RHF • Wrap-up & Preparation to return to the U.S. 	Mandatory
15/Sat., Dec. 28	AM/PM	Departure for the USA	Mandatory
1/Sat., Dec. 14	PM	Arrive at Kathmandu (KTM) Airport and check in at hotel (Kutumba)	Mandatory

*STIDH: Sukraraj Tropical and Infectious Disease Hospital, the national reference hospital on all infectious diseases in Nepal.