Department of Clinical and Preventive Nutritional Sciences
Entry-Level Master of Science in Clinical Nutrition
NUTR 5513 Global and Public Health Nutrition

RUTGERS
School of Health Professions

Course Description

Current and emerging issues in global and public health nutrition are debated and students are engaged in discussions to address populations of diverse cultures and global nutrition health and nutrition policy. Students learn to recognize how determinants of health, health disparities and availability and accessibility of resources, influence the nutrition status of communities and state, country and regional programs. Program planning and population needs assessments are addressed. Course topics include an overview of global and US public health nutrition goals, malnutrition around the globe, nutrition surveillance systems and interventions, practices and processes of local and global food markets, global food systems and legislative and regulatory policies.

Credits/ Modes of Instruction/ Course Platform

This is a three (3) credit online graduate course that relies heavily on completion of regular activities, assignments, and discussions of weekly topics. Students are expected to participate in weekly live face to face class sessions, course activities, and course assignments as outlined in the Course Schedule.

Prerequisites

Matriculated status in the Entry-Level Master of Science in Clinical Nutrition (ELMSCN) is required.

Course Director / Instructor(s)

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Course Goals and Objectives:

Goals
The goal of the course is for students to gain foundational knowledge in public and global health issues and nutritional needs of communities.

Objectives
At the end of this course students will be able to:
1. Describe nutritional needs of select populations across the lifespan.
2. Identify patterns, estimates and causes of malnutrition, overweight and obesity in low-, middle- and high-income countries.
3. Describe and differentiate between global and U.S. nutrition goals and diets.
4. Identify appropriate nutrition surveillance systems for a given population.
5. Describe the impact of global food marketing practices and food systems on population health and nutrition status.

6. Identify dietary practices and guidelines for a given global community group.
7. Describe and differentiate between U.S. and global nutrition policies and organizations.

The objectives of the course include the following ACEND competencies:

Competency Number	Competency Name	Activities that contribute to attainment of competency
1.6	Applies knowledge of social, psychological and environmental aspects of eating and food.	Weekly discussion activities, readings
1.7	Integrates the principles of cultural competence within own practice and when directing services.	Weekly discussion activities, readings
1.15	Applies knowledge of nutritional health promotion and disease prevention for individuals, groups and populations.	Weekly discussion activities, readings, description of an international non-governmental organization's nutrition program assignment
1.16	Gains a foundational knowledge on public and global health issues and nutritional needs.	Weekly discussion activities, readings,
3.3	Develops a plan to minimize vulnerabilities in the food supply chain.	Weekly discussion activities, readings, debate
3.4	Applies and demonstrates an understanding of agricultural practices and processes.	Weekly discussion activities, readings, debate,
4.1	Utilizes program planning steps to develop, implement, monitor and evaluate community and population programs.	Weekly discussion activities, readings, debate,
4.2	Engages in legislative and regulatory activities that address community, population and global nutrition health and nutrition policy.	Weekly discussion activities, advocacy letter
6.1	Considers multiple factors when problem solving	Weekly discussion activities, debate, advocacy letter, description of an international non-governmental organization's nutrition program project
7.1	Assumes professional responsibilities to provide safe, ethical and effective nutrition services.	Weekly discussion activities, readings
7.2	Uses effective communication, collaboration and advocacy skills.	Weekly discussion activities, debate, advocacy letter, description of an international non-governmental organization's nutrition program project

Course Requirements and Grade Determination

Requirements	Weight
Advocacy letter to an elected official (individual grade)	30%
Weekly Attendance/Participation/Group Discussion. (individual grade)	15%
Description of an international non-governmental organization's nutrition program (individual grade)	30%
Global food systems debate (group grade)	25%
Total	**100%**

Requirements for Completion

Attendance – Students are required to attend a mandatory live class session each week on Friday from 9 am to 11 am ET. These sessions will be hosted through the Zoom Web Conferencing platform. These sessions will focus on discussion, application of course material, and mentorship provided by the faculty instructor to support student achievement of competencies in clinical nutrition and medical nutrition therapy. Attendance will be taken. Failure to attend these sessions will result in points being deducted from the student's Attendance/Participation grade. Student attendance/participation is worth 15% of the student's total grade.

Each session will be posted on **Monday by 9:00am Eastern Time.** Students are expected to complete all readings and assignments as due and review lecture content in order to maximize learning and contribute to class discussions. Required resources and readings are based on current literature. All discussion answers are expected to be referenced using peer-reviewed, published scientific papers.

Detailed assignment guidelines are posted in Canvas.

- o **Advocacy letter to an elected official**
    - o Using guidelines posted in Canvas, students will draft an advocacy letter to one of their legislators about a food and nutrition policy/regulatory/legislative matter.
- o **Weekly Attendance/Participation/Group Discussion**
    - o Students are expected to attend all weekly live Zoom sessions and participate in the virtual discussion forums individually and in groups as assigned. (see section on weekly discussions
- o **Description of an international non-governmental organization's nutrition program**
    - o Guidelines for this project in detail will be posted in Canvas. Choosing from one of the international non-governmental organizations (NGOs) [CARE, Save the Children, Helen Keller International (HKI), Bill & Melinda Gates Foundation, World Vision International, FHI360, Global Alliance for Improved Nutrition (GAIN), International Food Policy Research Institute], students will draft a 2-3

page report describing an NGO, their efforts regarding international nutrition and an analysis of the effectiveness of their mitigation efforts. There is also an oral presentation of findings.
- o **Global food system debate**
  - o Working in teams, students will be assigned a global food system debate topic. Using guidelines posted in Canvas, students will debate the topic during a live class session.

Special Course Enrollment Requirements
 Readings will be assigned by topic each week and will be available in the course or the Rutgers Virtual Library. **All materials in this course are for the use of registered students only and may not be shared beyond the purposes of this course without permission from the presenter or course instructors.**

Computer hardware and software are required to accommodate web access, PDF downloads, and PPT presentations. Students must have all of the current recommended hardware requirements as specified for online learning: http://Canvas.rutgers.edu.   Students are required to purchase a headset with built in microphone and web cam to use with Zoom live sessions, Voicethread and to record presentations.

Weekly Discussions: Since the course is web-based, it is vital that students have opportunities for interpersonal communication and discussion. Each week, the course content is posted in Canvas; most weeks there are weekly discussion topics assigned.

To facilitate the greatest opportunities for learning, course lectures will be posted on **Monday of each week (by 9:00 am ET)**, and students should plan to respond to the question by **Thursday at 9:00 am ET** so that ample discussion on the topic takes place prior to the next scheduled course lecture. All discussion for the week will conclude by **9:00am ET on Monday** when the next lecture topic week begins. Organizing the board as such will enable a more enriching, quality   discussion on the topics and also keep the quantity of postings more manageable.

Students are encouraged to formulate their responses outside of Canvas using a word-processing program (or document sharing program), save their responses to a secure drive, and then copy and paste final responses into Canvas. Doing so will reduce the potential for lost work if Canvas experiences technical difficulties.

Ground Rules for Discussion Forum:
1. Only provide quality postings that further discussion on the topic; superfluous commentary should be avoided. "Thank you" is implied and should not be posted.
2. The discussion forum is a medium to debate the issues. Candid comments are welcome, but inflammatory comments are not. Please be respectful and courteous to each other. We can "agree to disagree."
3. Please recognize that your participation is graded according to the quality rather than simply quantity of interactions you have on the Discussion Forum.
4. Feel free to share articles and other relevant information that may be helpful for your classmates and colleagues, but please abide by copyright rules and regulations when doing so.

5.   Be sure to cite and reference appropriately in AMA style. JAND guidelines for authors will be posted in the course for reference. Do not cut and paste abstract or excerpts of published works in the discussion board without proper referencing; doing so is considered plagiarism.
6.   Avoid responding to discussion prompts by posting attachments, if possible. Try to post directly into the thread and limit attachments to supplementary materials.

NOTE: Participation in web-based discussions is required. Students are strongly encouraged to review professional publications for timely articles, which can be incorporated into weekly discussions. You will be graded on your participation in the course discussions.

Weekly Face to Face Zoom Class Sessions
Course content is entirely web-based, but it is vital that students do not miss out on interpersonal interaction and discussion. Each week on **Friday from 9:00 am-11:00 am ET** a mandatory class session will be held. Sessions may involve faculty presentations, student presentations, lecture, case students, group discussions, and may vary week to week. **Students are required to have a webcam and headset with microphone for these sessions.** The links to the Zoom classrooms are located in the specific week we will be using it. Please review instructions within Zoom to familiarize yourself with Zoom.

Evaluation, Feedback and Grading

Evaluation / Assessment Methods / Description of Assignments
Assignment guidelines and grading rubrics that will be used to evaluate/assess student performance and achievement of the course competencies will be available in the Canvas course. Please refer to the Requirements for Completion section of this syllabus for assignment descriptions.

Weekly Face to Face Live Zoom Class Sessions
Course content is primarily distance-based, but it is vital that students do not miss out on interpersonal interaction and discussion. Each week on **Friday from 9am -11am ET** a mandatory live class session will be held. Sessions will be hosted via Zoom web conference platform. Sessions may involve faculty presentations, student presentations, lecture, case studies, and group discussions. Session topics and activities may vary week to week. Students will need a microphone with headset and webcam in order to use the Zoom system and participate live class sessions. Links to the Zoom classroom will be located in the Canvas course under each weekly topic module. Students should review instructions within Zoom to become familiar with Zoom.

Feedback on Progress
Students will receive feedback on each assignment usually within two weeks of submission. Grades will be posted in the gradebook within the Canvas course. Students are expected to review assignment feedback and use the feedback to maintain or improve performance in the course, particularly when completing subsequent assignments. Students with unsatisfactory performance (grade of B- or lower) on an assignment are encouraged to schedule a meeting with course faculty at their earliest convenience to review feedback and discuss ways to improve performance. Students who have below a grade of B (83%) at the midpoint of the course (after the midterm examination) will receive an email from course faculty regarding their status in the course and be

advised on process for remediation and improving performance in the course during the second half of the semester.

SHP Grading Policy

The SHP grading policy is available at: https://apps.shp.rutgers.edu/projects/shrpweb-cf/policies/PDFs/3.0%20GRADING%20SYSTEM%20POLICY.pdf. Please note that there is no rounding of grades per the grading policy.

SHP Grading Policy

Grade	Undergraduate Scale	Graduate Scale	Quality Points
A	93.0-100	93.0-100	4.0
A-	90.0-92.9	90.0-92.9	3.7
B+	87.0-89.9	87.0-89.9	3.3
B	83.0-86.9	83.0-86.9	3.0
B-	80.0-82.9	80.0-82.9	2.7
C+	77.0-79.9	77.0-79.9	2.3
C	73.0-76.9	73.0-76.9	2.0
C-	70.0-72.9	70.0-72.9	1.7
D+	67.0-69.9	67.0-69.9	1.3
D	63.0-66.9	63.0-66.9	1.0
F	<63	<63	0.0

Minimum Level of Performance
The minimum level of satisfactory performance in this course is a grade of 'B' (83%) or better. The final letter grade is based on the weighted average of all course requirements, as specified earlier in the syllabus. Please refer to the ELMSCN Program Handbook for course performance expectations.

General Learning Resources

Required Textbook(s)
None

Optional Text:
Nutrition in Public Health, A Handbook for Developing Programs and Services, Sari Edelstein, PhD, RD Fourth edition. Jones and Bartlett. Available on publisher and other bookseller websites.

Required Recommended or Supplemental Learning Resources
- Access to the internet and the Rutgers Virtual Library. Available at: http://www.libraries.rutgers.edu/health_sciences_distance_learning

- Rutgers library tutorials on searching the literature http://www.libraries.rutgers.edu/health_sciences_distance_learning/tutorials

Course Units/Schedule

This schedule is a plan only, subject to change by the instructor as deemed necessary to achieve the course goals. Whenever possible, you will be notified in advance of any changes, especially those affecting course requirements or grading.

Please review the weekly lecture materials journal articles, web links, etc. within Canvas. Discussion assignments will be posted weekly in Canvas.

- Learning Resources will be specified in Canvas
- All live Zoom Sessions held on Friday 9-11 am ET
- All discussion activity due at 9 am the Thursday prior to the live session

Week Begin Date	Topical Outline	Activities Assignments
Week 1 5/29/19	Introduction to Course Key International Organizations and Developments: UNICEF, WHO, Millennium Development Goals	NOTE: This in-person session will occur during the live 3-day workshop in Newark for all students (May 29-31). School of Public Health students can join online or attend in-person. Post: Advocacy letter assignment. Post: Global food systems debate topic and assign class into groups Post: NGO assignment
Week 2 6/7/19	Global and Local Food Policy Systems Global Nutrition Transition	Live Zoom Session Friday 9-11 am ET (Sackey traveling for a conference. Minna moderating)
Week 3 6/14/19	Sustainable Development Goals US National Nutrition Research Roadmap	Live Zoom Session Friday 9-11 am ET Elevator speech (2 minutes) presentations of advocacy letter
Week 4 6/21/19	The Global Health System	Live Zoom Session Friday 9-11 am ET Global food systems debate-half of class
Week 5 6/28/19	Disparities in Health Guest lecture: Minna Sabbahi	Live Zoom Session Friday 9-11 am ET Global food systems debate-rest of class
Week 6 7/5/19	Food Based Dietary Guidelines Guest lecture: Dr. Pamela Rothpletz-Puglia	Live Zoom Session Friday 9-11 am ET. Submit: Advocacy letter (Due 07/07/2019 1pm EST)
Week 7 7/12/19	Global and Local Public Health Nutrition Initiatives: 1000-day window, SUN Movement, SNAP, WIC	Live Zoom Session Friday 9-11 am ET
Week 8 7/19/19	Global Micronutrient Deficiency	Live Zoom Session Friday 9-11 am ET
Week 9 7/26/19	Overweight and obesity around the globe	Live Zoom Session Friday 9-11 am ET
Week 10 08/02/19	Global and Local Surveillance Systems: BRFSS, NHANES, YRBSS, Demographic and Health Survey	Live Zoom Session Friday 9-11 am ET Oral presentations: NGO assignment (2 minute speed round)
Week 11 08/09/19	Global Food Security	Live Zoom Session Friday 9-11 am ET Submit NGO Assignment (Due 08/07/19 1pm EST)
Week 12 Ends 08/15/19		

Course Evaluations:

Students have the opportunity to evaluate the entire course and instructors upon its completion. Student feedback is very important, as it will be used to improve this course and the educational experience. All responses are kept anonymous and CONFIDENTIAL. The evaluation is conducted as a survey and will be sent to you via Rutgers email later on in the semester.

SCHOOL AND PROGRAM POLICIES

- Please refer to the ELMSCN Program Handbook.

- Please refer to the SHP Student Handbook at
  http://SHP.rutgers.edu/current_students/pdf/Handbook.pdf.

- Please refer to the SHP Grading Policy, available at:
  https://apps.shp.rutgers.edu/projects/shrpweb-cf/policies/PDFs/3.0%20GRADING%20SYSTEM%20POLICY.pdf.

Faculty/Student Honor Code and Academic Integrity

The Faculty/Student Honor Code is posted on the SHP website within the online SHP Student Handbook. The faculty of RBHS-School of Health Professions believe that students must observe and support high standards of honesty and integrity in all aspects of education, practice, and research. For this reason, all matriculated and non-matriculated students in this course are expected to abide by the School's Faculty/Student Honor Code and accept responsibility to help ensure that these standards are maintained by reporting violations of the Honor Code observed in others. All violations will be considered with gravest concern and may be punishable with sanctions as severe as suspension or dismissal.

Professional Behavior

Students are expected to conform to established standards and civil, social, and professional behavior. Violations will be considered with the gravest concern and may be punishable with sanctions as severe as suspension or dismissal. Please consult the Code of Student Behavior in the Student Handbook for prohibited actions https://shp.rutgers.edu/wp-content/uploads/Student-Handbook.pdf as well as Zoom Etiquette.

Attendance

Students are expected to attend all classes whether in-person or web-based. Students are expected to adhere to the stated attendance and participation policies for each course and for the specific program in which they are enrolled. For distance-based learning platforms, students are expected to attend and participate in scheduled online chats and/or discussion boards as well as "live" meetings or in-person sessions, as indicated by the course faculty.

Students are responsible for all material covered in classes. Absent students are responsible for obtaining all material covered in missed sessions. Students should be cognizant of this if absences occur during the semester and should consider planning vacations/time away in-between semesters as course faculty may not release course content early or may not allow late submission of work or retake of exams. When illness or other special circumstances prevent attendance, students should inform their course faculty/director in advance or as early as possible and may be asked to provide appropriate documentation.

TURNITIN

Students agree that by taking this course all required papers may be subject to submission for textual similarity review to Turnitin.com (directly or via learning management system, i.e. Sakai, Blackboard, Canvas, Moodle) for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site. Students who do not agree should contact the course instructor immediately.

You will be required to evaluate any written manuscripts through TURNITIN for plagiarism prior to submitting it for grading. A TURNITIN link is embedded in the course with instructions for doing so. Plagiarism is considered a serious offense. If you are unsure of what constitutes plagiarism, review the plagiarism tutorial located at http://www.indiana.edu/~istd/.   Students who plagiarize will receive a grade of F for the assignment.

Publication or Submission of Coursework for a Grant or Manuscript

If you submit a paper that was completed as part of a course at Rutgers for publication, you are encouraged to communicate with the course director and any other faculty reviewers of your paper regarding their interest as serving as a co-author. If the faculty agrees to serve as co-author(s) then it is the student's responsibility to obtain their review and approval of the paper prior to its submission to the publication. Non-compliance will be considered a professional behavior violation. Regardless, the student is expected to indicate that the manuscript was prepared as part of course requirements while at Rutgers School of Health Professions as part of the degree process. University affiliation for publications/abstracts/posters/presentations should be listed as "School of Health Professions' Department of Clinical and Preventive Nutrition Sciences at Rutgers University". Posters/presentations must be completed using the Rutgers template or logo which can be found at: http://identity.rutgers.edu/.

Suggested Writing Resources

This course relies on the ability to communicate concepts clearly in a written format as well as follow guidelines for proper grammar and sentence structure. It is expected that all written assignments follow appropriate grammatical, spelling, and referencing rules, and are free from plagiarism. Assignments with excessive grammatical and writing errors will receive a lower grade. If you need assistance with writing, we encourage you to get a writing tutor to assist you as writing is a critical skill in graduate education and for professional communication in the nutrition and dietetics profession. The Rutgers Biomedical and Health Sciences (RBHS) Writing Center (https://sasn.rutgers.edu/student-support/tutoring-academic-support/writing-center/satellite-writing-centers/rbhs-writing-center) offers writing assistance to distance and local students. See the handout for more details. There are also tutorials available at: http://www.libraries.rutgers.edu/health_sciences_distance_learning/tutorials as well as further resources available in the Online Student Resource Center in Moodle

EndNote

EndNote is a software program that works with Microsoft Word to automatically format in-text citations and end-of-paper reference lists with your chosen style (APA, AMA, etc.). EndNote can also be used as a database to gather and store citation libraries. We highly suggest that you become familiar with EndNote. Rutgers is licensed to provide download access of EndNote for Rutgers

affiliated users. EndNote is a bibliographic software program used to search Internet libraries, organize references and create instant bibliographies. EndNote enables you to collect and download your references from online catalogs and databases for inclusion in presentations and papers. After downloading the program from the Rutgers Virtual Library available at https://www.libraries.rutgers.edu/endnote you will need to install the EndNote program. There are tutorials on how to use EndNote available at the Rutgers library as well as at http://www.endnote.com.

Program Online Examination Policy
Students taking the Online Courses are solely responsible for having a working computer and internet connection. Computer crashes and internet connection problems are not valid excuses for failing to complete any required course work within the course time limits; this applies to finishing a quiz or examination within the allotted time as well as submitting assignments before the deadline. It is highly recommended that students make arrangements to have access to a second computer to complete their course work in case of an emergency; either at their own residence, a friend's residence, a local library or in one of the computer labs on campus.

Office of Disability Services (ODS)
Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student with a disability must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: https://shp.rutgers.edu/disability-services/. If the documentation supports your request for reasonable accommodations, your campus's disability services office will provide you with a Letter of Accommodations. Please share this letter with your instructors and discuss the accommodations with them as early in your courses as possible. To begin this process, please complete the Registration form on the Rutgers Office of Disability Services web site at: https://webapps.rutgers.edu/student-ods/forms/registration