



CIEE Dakar, Senegal

Course name:	Public Health Issues and Challenges in West Africa
Course number:	PUBH 3001 SNDS
Programs offering course:	Development Studies Language and Culture
Language of instruction:	French
U.S. Semester Credits:	3
Contact hours:	45
Term:	Fall 2019

Course Description

Over the last four decades, social sciences and humanities have allowed for the development of an understanding of health not just centered on illnesses but rather on a world vision where behaviors and popular practices are congruent with the vision of cultural groups while also being constrained with environmental realities.

In Africa, although infectious diseases remain a priority in public health, in recent years we have noticed the increasing emergence of non-transmissible diseases and of environmentally related problems.

Solving these public health issues require not only identifying principal causes but also ensuring active participation of communities in the effort to improve health, providing a good organization of the healthcare system with well-adapted funding. This is how we will reduce social inequalities in matters of health and contribute to the development of states.

This course will introduce students to a world where public health is changing quickly and where global health is gaining more and more importance. Accordingly, it will contribute to the reinforcement of students' knowledge of key factors of health in the context of Africa.

The course will include the following items:

- Introduction to basic concepts of public health
- Primary healthcare /Healthcare system/Health promotion
- Epidemiology of transmissible and non-transmissible diseases/Ebola
- Child health
- Mother's health
- Social protection

Learning Objectives

At the end of this training, students will be able to describe the most urgent priorities in public health that are found in developing countries and their interactions with socio-cultural and economic characteristics.

Course Prerequisites

Knowledge of biology and medical sciences are useful.

Methods of Instruction

Each theme will be presented in two parts:



- First, there will be students' presentations on some topics of the course followed by discussions (for each topic, students will be assigned to do research on the subject and its context in the USA. The first class will allow for these presentations)
- Second, there will be a summary by the teacher/ facilitator (through slides presentation) on the specificities found on the topic
- Two fieldtrips will be organized in Dakar etc.(Pediatrics unit; family planning unit)
- The teaching techniques used will be:
 - Video and slide presentations
 - Illustrated exposés
 - Case studies
 - Brainstorming
 - Sharing experiences and good practice; Fieldtrip, etc.

NB: These techniques will allow the students to become more engaged in their learning as active participants.

Assessment and Final Grade

The training evaluation will be done at several levels:

* Formative evaluation: Each student's presentation will be followed with feedback on the content, the form of presentation, student's attitude and expression in French.

*Summative evaluation: The final score of this public health session will be calculated according to the following quotes:

The evaluation will be based on five criteria:

- Classroom Participation (20%)
- Classroom presentations (20%)
- Case studies (10%)
- Report on field visits (20%)
- Final review (30%)

Course Requirements

. **Classroom participation:** No more than 2 absences and in each session, at least one answer to teacher's questions or classmates' initial answers with personal observation or related to real –world examples or presenting results of a current research on the topic

- **Classroom presentations:** Presentations will be evaluated on content, layout and format
- **Case studies:** Each student must achieve three case studies in a group frame
- **Report on field visits:** Each student is expected to produce a 500 words report on one of the



two fields visits

- **The final exam** will be a 15 questions questionnaire with multiple choice and open questions

Weekly Schedule

Week 1

Session 1

Program Presentation
Students' expectations
Healthcare in Senegal

Session 2

Public Health basic concepts
Reading session 2: Concepts en santé publique, Médecins du Monde

Week 2

Session 1

Introduction to global health; Primary health care & Health promotion
Reading session 1: WHO/Europe, Ottawa Charta for Health Promotion

Session 2:

Health financing and universal health coverage
Reading session 2: La couverture maladie universelle: état de mise en oeuvre

Presentation Group 1

Week 3

Guest speaker on Community health issues in Senegal

Week 4

RURAL VISITS

Week 5

Session 1:

Poliomyelitis / National Immunization Days against Polio
Reading session 1: Éradication de la polio: Raisons d'être optimiste



Presentation Group 2

Session 2:

Neglected Tropical Diseases / Mass distribution of drugs against NTD

Reading session 2: Le Sénégal a élaboré un nouveau plan pour réduire l'impact des Mtn

Week 6

Session 1

Main challenges about transmissible diseases (Tuberculosis, Malaria)

Reading session 1: Le chemin de l'élimination du paludisme au Sénégal nous mène à Richard-Toll

Session 2

Main challenges about transmissible diseases (AIDS)

Reading session 2: Sida et tuberculose: une nouvelle ère dans la lutte contre les grandes épidémies

Week 7

Session 1

Hemorrhagic fevers (Ebola, Dengue, yellow fever...)

Reading session 1: Le journal d'Ebola: écouter pour apprendre par Cheikh Ibrahima Niang

Session 2

Non-transmissible diseases (Diabetes, Hypertension)

Reading session 2: NCD in Africa: youth are key to curbing the epidemic and achieving sustainable development

Week 8

Session 1

Diarrhea and WASH (Water Sanitation & Hygiene)

Reading session 1: WASH and inequalities

Session 2

Nutrition

Reading session 2: Socio-cultural determinants of infant malnutrition in Cameroon

Presentation Group 3

Week 9

Session 1



Expanded program of Immunization of Senegal

Reading session 1: Impact positif sur le Programme élargi de vaccinations de l'envoi de SMS de rappel à partir d'un registre informatisé

Session 2

IMCI (Integrated Management of Childhood Illness)

Reading Session 2: Prise en charge intégrée des maladies de l'enfant (PCIME): Case studies

Week10

BREAK

Week11

Field visit at a health structure: Saint-Martin Dispensary

Report on the field visit

Week12

Session 1

Reproductive Health -

Reading session 1: Grossesse, accouchement et cultures: approche transculturelle de l'obstétrique

Presentation Group 4

Session 2

Maternal mortality

Reading session 2: Mortalité maternelle: **Case studies**

Week13

Field visit to a family planning unit

Report on the field visit

Week14

Session 1:

Prevention of cancer in women

Reading session 1: Problématique de la prise en charge des cancers du sein au Sénégal

Session 2

The anti-Tobacco Program of Senegal

Week15

Guest speaker on the Senegalese Program on Mother and Child Health

Week16

Final exams

READINGS

1. Afhea, La couverture maladie universelle: état de mise en œuvre
http://afhea.org/docs/presentationpdfs/Mbengue_La%20Couverture%20Maladie%20Universelle%20au%20S%C3%A9n%C3%A9gal-%20%20Etat%20de%20mise%20en%20oeuvre,%20le%C3%A7ons%20et%20
2. Concepts en santé publique, Médecins du Monde
http://www.infectio-lille.com/diaporamas/du-precarite/2013-DU-Sante-precarite-TILMONT_ALCARAZ.pdf
3. Grossesse, accouchement et cultures : approche transculturelle de l'obstétrique
<http://www.em-consulte.com/en/article/883381>
4. Impact positif sur le Programme élargi de vaccinations de l'envoi de SMS de rappel à partir d'un registre informatisé
http://www.pathexo.fr/documents/articles-bull/2015_108_349.pdf
5. Le Sénégal a élaboré un nouveau plan pour réduire l'impact des Mtn
<http://lesoleil.sn/actualites/item/76206-dr-mamadou-ndiaye-coordonnateur-de-la-lutte-contre-les-maladies-tropicales-negligees-le-senegal-a-elabore-un-nouveau-plan-pour-reduire-l-impact->
6. Mortalité maternelle
<http://www.who.int/fr/news-room/fact-sheets/detail/maternal-mortality>
7. PRB, NCD in africa: youth are key to curbing the epidemic and achieving sustainable development
<https://assets.prb.org/pdf15/ncds-africa-policybrief.pdf>
8. Prise en charge intégrée des maladies de l'enfant (PCIME)
http://www.who.int/maternal_child_adolescent/topics/child/imci/fr/
9. Problématique de la prise en charge des cancers du sein au Sénégal
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5268747/>
10. Sida et tuberculose : une nouvelle ère dans la lutte contre les grandes épidémies
https://www.lemonde.fr/afrique/article/2015/12/09/sida-et-tuberculose-une-nouvelle-ere-dans-la-lutte-contre-les-grandes-epidemies_4828134_3212.html
11. Socio-cultural determinants of infant malnutrition in Cameroon
https://www.researchgate.net/publication/261519387_Socio-cultural_determinants_of_infant_malnutrition_in_Cameroon
12. UNICEF, Éradication de la polio : Raisons d'être optimiste
<https://blogs.unicef.org/fr/blog/eradication-de-la-polio-raisons-detre-optimiste/>
13. WASH and inequalities
https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=5&ved=0ahUKEwiqifuc3qDcAhVNzBoKHdsuA_8QFghIMAQ&url=https%3A%2F%2Fsustainabledevelopment.un.org%2FgetWSDoc.php%3Fid%3D2433&usq=AOvVaw1EXw3Stqoe-W0MwOljyEfr
14. WHO/Europe ,Ottawa Charta for Health Promotion
http://www.euro.who.int/_data/assets/pdf_file/0003/129675/Ottawa_Charter_F.pdf
15. WHO, Le journal d'Ebola: écouter pour apprendre par Cheikh Ibrahima Niang
<http://www.who.int/features/2015/ebola-diaries-niang/fr/>
16. Zeropalu, Le chemin de l'élimination du paludisme au Sénégal nous mène à Richard-Toll
<http://www.zeropalu.org/le-chemin-de-lelimination-du-paludisme-au-senegal-nous-mene-a-richard-toll/>