



Public Health Program Master of Public Health

BULLETIN

Academic Year 2023-2024

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WELCOME

Welcome to the Public Health Program at the University of North Dakota! You are about to embark on an exciting and important journey. Together, we will work to create an intellectually challenging and socially engaging experience that provides graduates with the motivation, skills, and knowledge to improve health in communities and populations, particularly in the Northern Plains. As part of our support for your journey, we have developed the *MPH Bulletin*, which contains a wealth of information to help you succeed. Please keep and refer to it as you progress through the program.

Consistent with the public health approach, our educational, service, and research initiatives stress an ecological understanding of health problems and a systems approach to developing innovative solutions for them. In keeping with this orientation, our program draws its faculty from many disciplines representing the health, social, engineering, management, and behavioral sciences.

The MPH degree has three specializations – Population Health Research & Analytics, Health Management & Policy, and Indigenous Health. Each specialization prepares students for the work of population health improvement in the diverse communities of the Northern Plains and similar regions. Understanding the multiple determinants of population health – medical care, public health interventions, the social environment, the physical environment, and individual behavior – and learning how to optimize population health are complex, fascinating, and important undertakings.

Once again, we welcome you to the Public Health Program and trust that each of you will challenge yourself to develop new ways to solve our complex health problems. We hope that with the knowledge and skills you gain as a student in the Public Health Program you will help to lead our region and world to better health!

Ashley Bayne, MPH

Assistant Director, Public Health Program

ABOUT THE PUBLIC HEALTH PROGRAM

North Dakota is situated in the Northern Plains, and the Public Health Program reflects and responds to our location. There is much diversity within the Northern Plains, as North Dakota illustrates well. There are booming towns in the oil and gas fields in the west, agricultural communities in the rich Red River Valley, American Indian reservations in the central plains, frontier locales, and small cities throughout the State. These areas are continually changing in multiple ways including population size, economic basis, and culture. The Public Health Program at the University of North Dakota (UND) emphasizes, and is enriched by, the diversity and change within the Northern Plains.

The mission of the Public Health Program is to promote health and well-being and develop a culturally aware public health workforce through innovative and collaborative approaches to education, scholarship, and service within local communities, our region and the world.

The goals of the Public Health Program are:

- **Goal 1: Student Success**
Equip students with professional competencies, broad evidence-based knowledge, and critical thinking skills necessary to excel as public health professionals and leaders.
- **Goal 2: Instruction**
Provide high-quality education and promote student-engaged learning through coursework delivered by skilled faculty using interdisciplinary and innovative delivery methods.
- **Goal 3: Scholarship**
Evaluate critical public health issues and develop solutions through creative and collaborative local, national, and international research endeavors that reflect our values and those of the communities we serve.
- **Goal 4: Service**
Cultivate and support interdisciplinary partnerships that promote health and well-being, and a lifelong passion for learning and leadership through engaged professional and community service.

Our Partners

Within UND, the Public Health Program is located in the School of Medicine and Health Sciences (SMHS). The SMHS includes one of the nation's most respected community-based medical schools, as well as other clinical programs of excellence including physical therapy, occupational therapy, clinical laboratory science, and physician assistant. The preeminent Center for Rural Health is located in the SMHS, as are the Rural Opportunities in Medical Education (ROME) program and the Indians into Medicine (INMED) program, which prepare native students for careers in the health professions. Our close partners at the University include the INMED program, the Center for Rural Health's National Indigenous Elder Justice Initiative, and the Native Research Health Team. Other close partners at UND include the College of Business and Public Administration, the Department of Kinesiology and Public Health Education, which offers the undergraduate public health degree, and the Health and Wellness Hub, a premier, comprehensive, university-wide health and wellness program for students, faculty, and staff. The Health and Wellness Hub is the lead unit for the Partnership for a Healthier America's Healthy Campus Initiative, of which UND is one of only 20 campus members in the nation.

Outside of UND, the Public Health Program works closely with the entire North Dakota public health

community, particularly the North Dakota Department of Health, the Grand Forks Public Health Department, and the NorthEast Public Health Collaborative, which represents the eight local public health units in the northeast corner of North Dakota. Community partners include Live Well Grand Cities, which is the network of organizations that advocates for health and wellness in the Greater Grand Forks community. Every major health-related private and public organization in the area is a member of the Coalition.

MPH Curriculum

The MPH degree requires completion of 42 or 43 credits based on the selected specialization. The curriculum consists of a 21 credit core that includes planning and management, public health and health care systems, environmental health, biostatistics, public health communication, public health leadership and interprofessional practice, epidemiology, and health policy; 12 credits in a specialization of either Health Management & Policy or Indigenous Health, or 13 credits in a specialization of Population Health Research & Analytics; a 3 credit elective; a 3 credit Applied Practice Experience (APEX), and a 3 credit Capstone Experience consisting of a Integrative Learning Experience (ILE) and a Seminar. The curriculum is discussed comprehensively later in the *MPH Bulletin* (See Pages 6-8). The APEX is described in the *APEX Manual*. There is also an *ILE Manual* to guide students. Each of these documents is provided to new students in the Orientation Binder and is also available on the MPH website or from the Public Health Program Manager. The MPH website contains the most up-to-date information about the program (See www.med.UND.edu/mph).

Because of the diversity of our students, the program is designed for full and part-time study, as well as distance education through synchronous and asynchronous delivery.

Graduate Certificates

The Graduate Certificate in Public Health is offered as part of the MPH Program. It is designed for people who wish to obtain formal training in public health, but do not want to earn the MPH degree. These include people currently working in the public health and health care fields, as well as others. The Graduate Certificate in Public Health requires completion of 13 credits.

Students may earn the certificate in one of three areas of emphasis: General Public Health, Population Health Research & Analytics or Indigenous Health. Each area of emphasis requires completion of 13 credits. Applicants must meet all admissions requirements of the Public Health Program. All credits from the certificate program can be transferred into the MPH degree, if the student wishes. In addition, some students who complete the Graduate Certificate in Public Health will be eligible to sit for the Certified in Public Health (CPH) examination (see CPH eligibility requirements for more information).

In addition, the Public Health Program encourages students to complete graduate certificate programs in one of the following UND programs: Geographic Information Science (GISc), Policy Analysis, or Social Entrepreneurship. These programs will enhance skills and expand job opportunities for MPH students.

MPH CORE FACULTY

MPH Core Faculty

Population Health Research & Analytics

Cristina Oancea, MS, PhD

Ursula Running Bear, MA, PhD

Andrew Williams, MPH, PhD

Health Management & Policy

Laura Hand, MPP, PhD

Amber Lyon, MS, PhD

Indigenous Health

Brynn Luger, PhD, LPCC

Grace Karikari, MPH, PhD, CHES

MPH CURRICULUM

The MPH Core curriculum covers all required areas for accredited public health programs including evidence-based approaches to public health, public health and health care systems, planning and management to promote health, policy in public health, leadership, communication, interprofessional practice, and systems thinking. The MPH has three specializations – Population Health Research & Analytics, Health Management & Policy, and Indigenous Health. Each prepares students for the work of population health improvement in the diverse communities of North Dakota, the Northern Plains, and beyond. In addition to providing specialization-specific training, all specializations promote the development of critical thinking, problems solving, and communication skills. The curriculum is competency-based, and the list of competencies for the core and specializations are found in Appendix B. Core and Specialization Competencies.

The MPH curriculum is summarized below:

MPH Core (21 credits)

PH 504: Planning and Management to Promote Health

PH 510: Public Health and Health Care Systems

PH 520: Environmental Health

PH 531: Biostatistics 1

PH 541: Public Health Communication

PH 545: Public Health Leadership and Interprofessional Practice

PH 551: Epidemiology 1

POLS 552: Health Policy

MPH Specialization (12/13credits)

Population Health Research & Analytics
Health Management & Policy
Indigenous Health

MPH Elective (3 credits)***MPH Practice Experience (3 credits)***

PH 594: APEx

MPH Culminating Experience (3 credits)

PH 995: Integrative Learning Experience
PH 590: MPH Seminar

MPH SPECIALIZATIONS

The MPH specializations provide integrative, creative, and practical learning experiences that foster intellectual growth, critical thinking, and essential problem-solving and communication skills around issues of population health improvement. Graduates are prepared to work in many regional, national, and international settings including public health and other government agencies, health care delivery organizations, health plans, non-governmental health organizations, and academic institutions.

Population Health Research & Analytics

Credible research is critical to all public health and health care organizations, private and public. The results of research tell us what health problems a population experiences, the origin of these problems, and the effectiveness of programmatic and policy remedies. Research results become the basis for strategic planning, performance improvement, and justification of funding. This specialization prepares students to produce convincing and scientifically sound information to answer questions about population health, evaluate the effectiveness of interventions, and provide the basis for improving health policies and programs. The course of study includes training in research methods, biostatistics, informatics, and communication of scientific results. Students learn how to design outcomes studies, collect and analyze population health data, and work with large data sets.

Required Courses (13 credits)

PH 505: Introduction to Data Management in SAS
PH 532: Biostatistics 2
PH 533: Advanced Biostatistics
PH 550: Population Health Research Methods
PH 552: Epidemiology 2

Health Management & Policy

The U.S. health care system is changing rapidly as a result of public and private efforts to improve quality, decrease costs, increase efficiency, and provide universal access to care. The Patient Protection and Affordable Care Act of 2010 addresses these issues comprehensively and is having a major impact on health care delivery. Targeted initiatives such as those to improve patient safety or advance medical

informatics are having a significant effect on quality, cost, and efficiency. This specialization prepares students for the current environment. They gain skills needed to manage health care delivery systems effectively and efficiently, analyze health policies, and communicate successfully to effect improvements in the system.

The specialization in Health Management & Policy is offered in partnership with the Department of Political Science and Public Administration in the Nistler College of Business & Public Administration (NCoBPA). This partnership adds depth to the faculty expertise and course offerings available to MPH students in the specialization. Students who wish to specialize in management and policy are admitted to the MPH Program and take the MPH Core courses first, followed by specialization courses. The members of the MPH Core Faculty for this specialization have joint appointments in the MPH Program and the NCoBPA.

Required Courses (12 credits)

PH 555: Health Law and Policy Analysis
PH 572: Health Care Budgeting and Finance
PH 583: American Indian Health Policy
POLS 551: Health Administration and Organization

Indigenous Health

The Indigenous Health MPH is designed to provide students with a critical understanding of determinants of Indigenous health and solutions to health disparities. Students will examine Indigenous populations, histories, cultures, societies, traditional healing systems, food sources, patterns and impact of colonization, and health inequity. Students will also evaluate the impact of historical and ongoing traumas associated with colonization and colonialism, explore Indigenous concepts of health and healing, and will synthesize new approaches of moving toward health equity in a culturally relevant manner. Indigenous populations include American Indian/Alaska Native, Canadian First Nations, Inuit, Sami, Aboriginal Australian, Maori, Ainu, and Pacific Islanders, among others.

Required Courses (12 credits)

PH 581: Principles of Indigenous Health
PH 582: Social and Ecological Determinants of Indigenous Health
PH 583: American Indian Health Policy
PH 584: Public Health Programming in Indigenous Populations

MPH APPLIED PRACTICE EXPERIENCE (APEX)

The APEX is a 135-hour practical public health experience in an organization that provides a public health service. APEX affiliation agreements have been developed with local, national, and international public health sites. Students can also request a APEX site without an existing affiliation agreement, but this must be done a minimum of 3 months in advance of the APEX start date to ensure that a working agreement can be established. Examples of current APEX sites include the North Dakota Department of Health, Grand Forks Public Health Department, Fargo-Cass County Department of Health, Altru Health System, Sanford Health, Fred Hutchinson Cancer Research Center, Southern Research, and the Center for Rural Health. The APEX is required for the MPH degree, and it may be completed during any semester during the year or span up to three semesters.

The *APEX Manual*, *APEX Forms*, and list of APEX Sites are available from Ashley Bayne, Public Health Program Assistant Director, at ashley.bayne@UND.edu or on the MPH website: www.med.UND.edu/mph

MPH PROGRAM ADMISSIONS

The MPH Program welcomes applicants from a wide variety of backgrounds including the social and behavioral sciences; the basic sciences including biology, chemistry, and physics; mathematics and computer science; and the humanities. In addition, the MPH is an excellent partner for all clinical degrees including medicine, nursing, laboratory science, physician assistant, physical therapy, and occupational therapy, as it expands professional opportunities in these fields. Also, those who wish to apply for a clinical program find that the MPH degree can enhance their application, as well as their preparation for their clinical career.

Applicants to the Public Health Program must demonstrate adequate preparation to complete graduate study for the MPH degree. Grade point average (GPA) from all post-secondary schools attended; work experience and accomplishments; and professional references are used to indicate preparation for graduate work. Admission decisions are based upon full review of all information in the application to ensure fairness and to balance the limitations of any single indicator.

Application to the Public Health Program is made online at www.SOPHAS.org. Applicants can begin in fall, spring, or summer.

Admission Requirements

The MPH degree requires the following for admission:

1. Completion of the online application and payment of the application fee.
2. A baccalaureate degree or equivalent from an accredited college or university (for U.S. degrees, accreditation by one of the six regional accrediting associations: MSA, NASC, NCA, NEASC-CIHE, SACS-CC or WACS-Sr.).
3. An undergraduate and graduate (if applicable) cumulative grade point average (GPA) of at least 3.00. Undergraduate coursework in fields related to public health should generally exceed a GPA of 3.00.
4. Fluency in written and spoken English. All non-native speakers of English must meet the School of Graduate Studies requirements regarding fluency in written and spoken English. Please refer to the School of Graduate Studies website.

Applicants are required to submit the following supporting documentation:

- A written statement that describes the applicant's professional goals and motivation for seeking a degree in public health. In addition, applicants should comment on any personal qualities, characteristics, and abilities they believe will enable them to be successful in achieving their career goals.
- Resume listing work experience, including voluntary, and relevant accomplishments, awards, and honors.
- Official post-secondary academic transcripts from all institutions attended. Transcripts must be

sent directly from the institutions to the UND School of Graduate Studies.

- Three (3) letters of recommendation from individuals who the applicant feels are most qualified to evaluate their academic potential and leadership potential in public health.

The Admissions Committee may request an in-person or Zoom interview with an applicant to assist in the decision process. A background check will be completed on each student prior to matriculation.

Following admission into the program, the MPH faculty and staff will work with each applicant to help with the transition to UND including registration, housing, and financial aid.

Upon matriculation, all MPH students are required to have their own personal laptop that is no older than 3 years upon entering the Public Health Program. This requirement applies to both on-campus students and distance students. Additional information can be found in the *Public Health Program Laptop Requirements*.

Policy on Transfer of Graduate Credits

A limited number of graduate school credits completed at an accredited U.S. or Canadian institution of higher learning prior to, or after matriculation in the program, may be applied toward the MPH degree. Graduate work is considered for transfer on an individual basis based on the following criteria:

- The work must have received graduate credit at the institution where it was earned.
- The student must have earned a grade of B or better.
- The work must be less than seven years old at the time the MPH degree is awarded.
- The maximum amount of transfer credit that will be accepted toward the MPH degree is nine.

TUITION AND FINANCIAL AID

The cost of the MPH degree for North Dakota residents is approximately \$36,830, not including student fees and books. Although financial support is not guaranteed with admission to UND, there are a number of kinds of financial aid for MPH students. These are:

- Graduate assistantships (GTAs, GSAs, GRAs)
- Partial tuition waivers
- Tuition reduction to the in-state rate

Only on-campus students are eligible for MPH graduate assistantships and tuition waivers. One exception is made for members of the North Dakota public health workforce who are employed by a local or state health department. These students are eligible for MPH tuition waivers, but not for assistantships.

MPH Graduate Assistantships

The Public Health Program strives to make graduate education in public health accessible for students by awarding a limited number of graduate assistantships. Most MPH graduate assistantships are awarded in the spring semester for use in the following academic year. These positions are 10 or 20 hour/week appointments, and they provide administrative or research support to faculty and staff. Awards are based on need, merit, and experience. Full-time and second-year students are given priority for this type of financial assistance. The Public Health Program Manager notifies students via

mail or email if the program awards them financial assistance.

Other Graduate Assistantships

In addition to MPH assistantships, MPH students may also qualify for assistantships offered by other University units. Students must submit an application to the program that awards the assistantship and be selected by that program. For an up-to-date listing of open positions, visit the [UND School of Graduate Studies](#) website. If a student is offered an assistantship from a University unit outside of the MPH Program, the student must inform the program *before* accepting the assistantship and verify the parameters of the award.

Tuition Waivers

Tuition waivers are awarded independently of graduate assistantships. A student receiving an assistantship may not receive a tuition waiver, and vice versa. Tuition waivers are awarded by the credit hour, and an award may cover between 1 and 9 credits/semester. Tuition waivers do not cover mandatory fees. The student must pay these.

The Public Health Program has a limited number of tuition waivers, which are awarded annually in the spring. Other programs in the University **may** offer tuition waivers with graduate assistantships. In addition, full-time employees of UND receive a tuition waiver benefit according to North Dakota University System (NDUS) policy number 820.2e.

Tuition reduction to the in-state rate

Currently, there are two ways for non-residents to receive the North Dakota resident tuition rate:

- The Western Regional Graduate Program (WRGP) allows students who are residents of Western Interstate Commission for Higher Education (WICHE) states to enroll at UND and pay North Dakota resident tuition. The WICHE states are Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, South Dakota, Utah, Washington, and Wyoming. See: <https://und.edu/one-stop/tuition-fees/grad-professional-tuition.html>
- Full-time, non-resident students are eligible for in-state tuition after one year of study if they study on-campus. International students with an F1 Visa do not qualify unless they have graduated from a North Dakota high school. See: <https://und.edu/one-stop/tuition-fees/residency.html#nd>

Please contact Ashley Bayne, Public Health Program Assistant Director, at ashley.bayne@UND.edu or 701.777.6368 with questions about graduate assistantships, tuition waivers, and in-state tuition rates.

MPH PROGRAM POLICIES AND PROCEDURES

UND Email

Upon admission to UND, students are issued a UND e-mail account. A student's e-mail will follow the convention shown in this example: jane.doe@ndus.edu. This e-mail account will remain active while the student is enrolled at UND. To access this account, go to <http://www1.und.edu/uit/email.cfm>.

Email, using the student's University email address, is the official form of communication for UND and the Public Health Program. All students are expected to check their University email accounts regularly to receive important information from the University and the Public Health Program.

IMPORTANT: To ensure that the UND e-mail account is active, the Public Health Program requests that each student also log on to the Campus Connection system at: <https://studentadmin.connectnd.us/psp/NDCSPRD/?cmd=login&languageCd=ENG&fmode=1>. Then go to Preferences, and select UND email as the preferred account. Check this email often for official UND and Public Health Program correspondence. This is the only email account that the Public Health Program wishes to use when contacting you. Alternatively, students can chose to forward their UND email account to another account, such as gmail, yahoo, or other.

Orientation and Graduation

Orientation is held in August every year for students who begin the program in the fall. Orientation for spring and summer starts is scheduled similarly. All incoming students are expected to attend Orientation, either in person or via live broadcast.

In accordance with the School of Graduate Studies policy, the MPH degree must be completed in seven years. Students may complete their coursework and degree requirements anytime during the academic year. However, the MPH Program holds only one graduation each year in the spring. The University holds graduation ceremonies in each semester, and MPH students can attend the University graduation, as well as the MPH ceremony.

Student Competency Assessment Survey

The MPH degree aims to develop a comprehensive set of competencies among students, which are conveyed through coursework and other learning experiences. In order to assess how well the program transmits these competencies, all MPH students are required to complete the Student Competency Assessment Survey at Orientation and at the completion of the program.

Faculty Advisors and Advising

Upon being admitted to the Program, MPH students are assigned a temporary advisor. After the first semester, students are reassigned to a Faculty Advisor in their expected specialization - Population Health Research & Analytics, Health Management & Policy, or Indigenous Health. Students may request a change in their Faculty Advisor at any time. The request to change a Faculty Advisor is made to Ashley Bayne, Public Health Program Assistant Director, at ashley.bayne@UND.edu.

There is an official Advising Week in the fall and spring around the time that students can enroll in courses for the next semester. An email from the Public Health Program Assistant Director will announce Advising Week each semester.

**MPH students are expected to meet with the Assistant Director,
either in person or via phone or videoconference, to discuss their academic progress
and enrollment plans for the next semester.**

Students are encouraged to meet with their Faculty Advisor or the Public Health Program Assistant Director at any other time when they need information or advice about the program, their course of study, and professional development.

Registration

To register for courses, students access the University online enrollment system (Connect ND/Campus Connection <http://und.edu/academics/registrar/campus-connection.cfm>). Additional directions for accessing Campus Connection are available on the UND website. A “Tip Sheet” on how to use Campus Connection can be found at: <https://und.edu/academics/registrar/campus-connection/tip-sheets-faculty-staff.html>. Any questions concerning registration should be directed to Ashley Bayne, Public Health Program Assistant Director, at ashley.bayne@UND.edu.

Blackboard

The online platform used for course instruction is “Blackboard.” In order to activate a Blackboard account, students must first activate their UND email account. Once activated, the Blackboard username and password are the same as that for the UND email account. If students have difficulty accessing Blackboard, they need to contact the Help Desk at 701.777.6305.

Class Attendance and Participation

Following University policy, “Attendance and participation in class activities are considered integral parts of a university education. It is University policy that attendance in classes is expected of all students. If attendance and/or participation are required and will impact grading, it is the responsibility of the instructor to communicate clearly that policy to students during the first week of class in the course syllabus.

Even in situations where an instructor might excuse a class absence, e.g., severe medical situations, family emergencies, military service, or authorized University activities, it is the responsibility of the student, whenever possible, to inform the instructor ahead of time.” Approved: UND Senate, 05-04-2006 (see: <https://und.edu/academics/registrar/academic-policy-procedures-manual.html>)

Synchronous distance students must participate using video and audio in every class session. If students do not have the appropriate technology to allow full participation, they will be dropped from class. In the case of an unexcused absence, the instructor may offer to record the class for viewing at the later date, if the student informs the instructor of his/her absence ahead of time.

Grading and Evaluation

The grading scale for the Public Health Program is:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	59% and below

Each course syllabus will list the specific requirements for that course, with the weight given to each assignment.

Late Assignments

Late assignments will not be accepted unless approved by the course instructor prior to the due date. In emergencies, where prior notice of absence is given to the instructor, make-up assignments and/or

exams may be given. There is no guarantee, nor should students expect, that a make-up assignment or exam would be granted nor is equivalent to a scheduled exam in terms of difficulty. Extreme emergency situations that result in no prior notice of absence will be dealt with at the instructor's discretion.

Final Semester Grades

Official final semester grades should always be viewed on the UND Campus Connection system and not on Blackboard.

Incomplete Grade Policy

It is expected that students will complete all requirements for a course during the time frame of the course. For reasons beyond a student's control, and upon request by the student or on behalf of the student, an incomplete grade may be assigned by the instructor when there is reasonable certainty the student will successfully complete the course without retaking it. The grade "I," Incomplete, will be assigned only to the student who has been in attendance and has done satisfactory work up to a time within four weeks of the close of the semester, including the examination period, and whose work is incomplete for reasons satisfactory to his or her instructor.

Incompletes are entered on the final grade roster, and instructors must submit by email a "Report of Incomplete Grade" form to the Office of the Registrar. The instructor may choose any one of the following options for the deadline to complete the course:

- The default date as stated in the "UND Schedule of Courses."
- Extend to 12 calendar months after the end of the course.
- A date of the instructor's choosing no later than 12 months after the end of the course.

Incomplete grades will convert to a grade of "F" if a grade or incomplete extension is not submitted by the instructor to the Office of the Registrar on or before the deadline written on the "Report of Incomplete Grade" form.

The instructor of the course and the dean of the college offering the course for undergraduates or the dean of the School of Graduate Studies for graduate students must approve and sign the "Report of Incomplete Grade" form for any extension of incomplete beyond the default date listed in the "UND Schedule of Courses." An incomplete grade must be changed by 12 calendar months from the ending date of the class. It is the student's responsibility to contact their instructor about an incomplete grade posted on the final grade report.

An "I" may be converted as indicated above but cannot be expunged from the record. Students may not register in courses in which they currently hold grades of incomplete, except for courses that allow repeated enrollment. A student will not be allowed to graduate with an unconverted incomplete grade on the academic record.

It is the responsibility of the student to be knowledgeable about the status of an incomplete grade and to complete the work required to remove the incomplete grade by the specified deadline.

Academic Grievances and Other Concerns

The *Code of Student Life* describes the process for filing an academic grievance. Grievances begin with discussion between the grieving student and the faculty member, committee, or administrator with whom the student has a grievance. If not resolved at this stage, the student may advance the grievance through the procedures of the college or school in which the grievance originated. The grievance policy of the School of Medicine and Health Sciences is detailed at:

https://med.und.edu/policies/_files/docs/3.9-smhs-student-grievance-appeal-policy.pdf. The grievance policy for the College of Business and Public Administration is found at: <http://und-public.courseleaf.com/graduateacademicinformation/academicpolicies/academicgrievance/>

Students are encouraged to report other concerns about the program directly to the MPH Director or the MPH Program Assistant Director so that there is continuous and timely improvement in the quality of the MPH Program. Concerns may be reported in writing or in person, and they are welcome at any time during a student's course of study.

Conduct

MPH students are expected to conduct themselves in a professional manner in the classroom, attending curriculum-related activities, and in fieldwork experiences at all levels. Professionalism encompasses a number of related areas and concerns the conduct, aims and practices of an individual. Aspects of professionalism to be considered within the professional program include **attitude, judgment, and performance**.

Attitude will be reflected in:

- Learning in the classroom: Students are expected to read assignments prior to class, and all class related activities, and to participate in lecture sessions in a positive manner.
- Day-to-day relationships with instructor and students: The expectation is that students will be respectful towards others. Any criticisms should be constructive in nature; students should demonstrate an awareness of and sensitivity to the needs of others. Courtesy, respect, and consideration should be observed at all times.
- Response to guest speakers: Students are expected to demonstrate an interest in the lecture topic as evidenced by asking questions and showing appreciation in an appropriate manner. Dress appropriately for both on and off campus presentations/tours.

Judgment will be reflected in:

- Personal and professional relationships: Comments and behaviors acceptable in some settings will not be appropriate in others. Appropriate dress code, hygiene and use of personal jewelry will also vary from classroom to fieldwork settings.
- Confidentiality: It is very poor judgment to breach confidentiality in any way, either in oral or written format.

Performance will be considered in:

- Class assignments: Coursework needs to be completed thoroughly and on time. When working in groups or pairs, students need to take equal responsibility for completing the assignment. If the assignment is not understood, it is the student's responsibility to seek out information or clarification from the instructor.
- Plagiarism: Will not be tolerated and may be grounds for dismissal from the MPH Program. (See Code of Student Life for definition/description of plagiarism.)

- **Communication skills:** Demonstration of respectful and professional communication skills in working with faculty, community supervisors (e.g., setting up meetings, making professional phone calls, returning calls/requests for information, timeliness of contacts, etc.) and peers.
- **Respect for classroom:** Students are expected to leave classrooms/work areas as they found it (or better) as others will be using this area/resource.
- **Punctuality for classes:** Students know in advance when the class meets, and those who come late can be asked to leave. It is distracting to have students entering the classroom during lecture, and also reflects negatively upon the student's attitude toward learning.

Dress Code

The Public Health Program expects MPH students to dress appropriately in classroom and fieldwork settings. MPH students are expected to demonstrate good judgment and professionalism at all times, on and off campus.

LAPTOP REQUIREMENTS

Public Health Program Laptop Requirements

All Public Health Program students are **required** to have their own personal computer that is no older than 3 years upon entering the Public Health Program. This requirement applies to both on-campus students and distance students.

The following are the **minimum** requirements needed in hardware and software. Newer software releases are recommended.

Hardware:

- Internet-capable, multimedia computer with a minimum processor of Intel i5 (or comparable)
- No older than 3 years upon entering the Public Health Program
- 2 USB ports
- 1 HDMI port strongly preferred for on-campus students
 - Otherwise, must contact SMHS IT for a work-around
- 8 GB of RAM
- 20 GB of available storage space
- Working webcam
- USB headset & microphone
- Broadband connection of ≥ 20 Mbps download and 10 Mbps upload
 - Connection speed can be tested at:
 - <http://speedtest.net>
- A backup hard drive (either flash drive or external hard drive) of at least 20 GB

Software:

- Windows 10 OR 11 OR Macintosh OSX 11 Big Sur (or higher)
- Microsoft Office 2016 (or higher)
 - Office 365 is free with your UND email account.
 - <https://campus.und.edu/campus-services/uit/microsoft-365.html> Click on Get Office for instructions.

- Mozilla Firefox (newest version)
 - Available at: <https://www.mozilla.org/en-US/firefox/new/>
- Anti-virus software with updated definitions
 - For UND-supported anti-virus software, see: <http://und.edu/academics/center-for-instructional-and-learning-technologies/tech-support/anti-virus.cfm>
- Additional course-specific software

Students who are seeking recommendations for purchasing a new computer may wish to visit UND's Dell student premier page, <http://www.dell.com/dellu/undmed>, which features three computers that meet these specifications and can be upgraded if desired. Computers ordered from this page can benefit from warranty work being done by SMHS IT staff. Students who are purchasing a new computer are welcome and encouraged to contact SMHS IT at its@med.und.edu to ask questions or have the staff verify compliance with these requirements before purchasing.

It is the student's responsibility to ensure that their equipment is in working order prior to each class.

DISTANCE STUDENTS

Testing Connection

It is recommended that distance students are aware of the amount of Wi-Fi being used at their locations. Transmission will slow down if multiple people in the same location are using Wi-Fi at the same time. Distance students are encouraged to test the quality of their connection prior to the beginning of courses. This may be done by contacting its@med.und.edu.

OTHER POLICIES AND PROCEDURES

In addition to MPH policies and procedures, students are subject to all pertinent policies and procedures of the University, the School of Graduate Studies, and the SMHS. For a complete list of these policies, please reference the *MPH Student Policy Handbook*.

OPPORTUNITIES FOR STUDENT INVOLVEMENT

Student Public Health Organization

UND has a student organization – the Public Health Association (PHA) – that is a resource for students at UND interested in advancing public health on campus and in the community. The PHA is active in raising funds for student projects, including student travel to professional meetings, and sponsoring programs that enrich the MPH experience at UND.

North Dakota Public Health Association (NDPHA)

The mission of the NDPHA is to improve, promote, and protect health for the residents of North Dakota through leadership in policy, partnerships, and best practices. The NDPHA gives a voice to public health matters and provides opportunities to partner and create opportunities that improve the health of all citizens across the State. It brings together people interested in public health for the purpose of fostering a better understanding of public health problems and practices and facilitating the interchange

of ideas for solving these problems. NDPHA aids in the promotion of state and local legislation in the interest of public health with particular focus on the interrelationship between health and quality of life. Students in the MPH Program are eligible for a free membership to the NDPHA and will be given a membership form when they begin the program. See: <http://www.ndpha.org/>

North Dakota Rural Health Association (NDRHA)

The mission of NDRHA is to provide a unified voice to promote and enhance the quality of rural health through leadership, advocacy, coalition building, education, and communication. The vision of the organization is to be an effective advocate for improved health status among rural North Dakotans. See: <http://www.ndrha.org/>

American Public Health Association (APHA)

“APHA champions the health of all people and all communities. [They] strengthen the public health profession. [They] speak out for public health issues and policies backed by science. [They] are the only organization that influences federal policy, has a 140-plus year perspective and brings together members from all fields of public health.” See: <http://www.apha.org/>

STUDENT RESOURCES AND SERVICES

Software

Microsoft Office 365 ProPlus is available for current UND students at no cost. Office 365 ProPlus is a full version, which includes: Word, PowerPoint, Excel, OneNote, Outlook, and more. To download Microsoft Office 365 ProPlus, visit <https://www1.und.edu/uit/email.cfm>

Adobe Acrobat, SPSS and other programs can be remotely accessed from. <https://www1.und.edu/academics/center-for-instructional-and-learning-technologies/tech-support/citrix.cfm>. Login and installation instructions are included at this link.

Libraries

Students are welcome to use the resources of any of the libraries on the UND campus.

The **Harley E. French Library of the Health Sciences** at the UND School of Medicine and Health Sciences is the main library providing services such as instruction and interlibrary loans to MPH students. The Library maintains a large, diverse collection of print and electronic resources. The Library of the Health Sciences also coordinates services through four Clinical Campus sites with librarians available to offer help in Fargo, Bismarck, Minot, and Grand Forks. Students can learn more about library resources at <http://libguides.und.edu/public-health>. See also: www.undmedlibrary.org

The **Chester Fritz Library** is the largest library in the State of North Dakota and the primary research facility for UND and the Upper Midwest region. The Chester Fritz Library is centrally located on the UND campus.

Counseling Services

The UND Counseling Center (UCC) offers many services to UND undergraduate, graduate and professional students. These services include short-term counseling (such as group, individual and

couples counseling), consultation, outreach, and assistance with referrals. The staff of professionally trained psychologists and counselors recognizes that the challenges of college life require a variety of personal strengths and problem solving skills. UCC staff is available to help students enhance their strengths and develop their abilities to deal effectively with the experiences of living, growing and learning at UND. See: <http://und.edu/health-wellness/counseling-center/>

Health and Wellness Hub

The Health and Wellness Hub team empowers students to achieve their academic and personal goals through education, health promotion, role modeling, and advocacy of healthy choices. Through collaboration with the campus and community, the Health and Wellness Hub promotes an environment that encourages health, wellbeing, and enhances the quality of life. This is a comprehensive resource for all students on campus, which should be utilized fully for a healthy student experience at UND.

See: <http://und.edu/health-wellness/hub/index.cfm>

Multicultural Student Services

The Multicultural Student Services (MSS) Program provides quality support services (academic, financial aid, personal and social) that enhance African American, Asian American, and Hispanic American student success at UND. The MSS Program serves as a general institutional contact and advocate for students, individually and collectively; works with UND departments and offices to address the unique needs of students; provides advice and counsel regarding broad campus issues; and promotes diversity throughout the campus. See:

<https://www1.und.edu/student-life/student-diversity-inclusion/index.cfm>

Office of International Programs

The Office of International Programs (OIP) strives to "build bridges between cultures and countries" by:

- Serving the entire university in promoting and supporting international education;
- Developing and supporting study abroad opportunities integral to students' academic and future career goals;
- Supporting the UND international population: students, faculty, scholars, and dependents; and
- Promoting, supporting and developing opportunities for international cultural awareness.

International students must contact their student advisor in the OIP for regulations on online/non-traditional course delivery and all other issues related to international students at UND.

See: <http://www1.und.edu/academics/international-center/>

Career Services

The Career Services office is available to all UND students as a career counseling resource. Career Services is located in Twamley Hall Room 103, and the website is <http://und.edu/student-life/careers/>.

Writing Center

The Writing Center is a resource on writing for the university community. The Writing Center provides help at any stage of the writing process. MPH Students who are experiencing difficulty with their writing will be given a mandatory referral to the Writing Center. However, every student is entitled to assistance from the Writing Center, and the MPH Program encourages all students to utilize the Center to reach their potential as writers. For more information or to schedule an appointment, visit

<http://und.edu/academics/writing-center/>.

MPH COURSE DESCRIPTIONS

MPH Core Courses

PH 504: Planning & Management to Promote Health

This course introduces students to the field of public health and develops their appreciation of the unique and important role of public health in promoting health and preventing disease and disability in communities and populations; their understanding of the history, philosophy, and values of public health; and their knowledge of how public health functions today in the United States and other countries, including its organization, financing, policy priorities, and core functions. *3 credits*

PH 510: Public Health & Health Care Systems

This course introduces students to health care delivery systems, which provide diagnosis and treatment of health problems in societies. Topics include the organization, financing, and performance of health care delivery systems. Differences between rural and urban health systems, as well as international differences, are studied. Ethical issues related to the delivery of health care are discussed. *2 credits*

PH 520: Environmental Health

This course explores historic global environmental disasters and policy while examining exposure assessment and epidemiologic study designs commonly used in environmental health in order to characterize the impact of environmental exposures on population health and our environment. *2 credits*

PH 531: Evidence-Based Approaches to Public Health - Biostatistics

This course introduces the selection, use, and interpretation of basic statistical tests and concepts that may be used in addressing, analyzing, and solving problems in public health and health care research. *3 credits*

PH 541: Public Health Communication

This course introduces social and behavioral sciences theories and methods that are applied to public health problems. It covers: (1) description of social and behavioral determinants of health and health inequalities; (2) individual- and social/ interpersonal-level theories of health behavior and change methods; (3) theories and methods for improving the health of communities/populations; (4) public health evaluation strategies; and (5) public health policy and advocacy. *2 credits*

PH 545: Public Health Leadership & Interprofessional Practice

This is a three credit hour course designed to introduce students to major theories and concepts of leadership, ways of applying these to public health issues requiring leadership, and provides an opportunity for students to develop skills and resources for further developing leadership skills. The course focuses on preparing healthcare professionals with the foundational skills needed to work in teams to effectively collaborate and coordinate services in population health management. Key themes focused on interprofessional communication, collaboration, leadership, and professionalism will be ingrained throughout content. *3 credits*

PH 551: Evidence-Based Approaches to Public Health - Epidemiology

This course introduces the basic epidemiologic concepts used to study health and disease in populations including measurement, study design, and related statistical tests. Observational and experimental epidemiologic studies are described and their advantages and disadvantages compared. The course provides an overview of the major causes of morbidity and mortality in populations. Ethical issues related to epidemiology are discussed. *3 credits*

POLS 552: Health Policy

This course examines historic and contemporary trends in health care delivery in the United States. Emphasis is placed on addressing health care cost-containment issues; access to health care and, recent efforts to invoke broadly based systemic reforms of the U.S. health care system. *3 credits*

MPH Practice Experience

PH 594: APEx

The APEx is a planned, supervised, and evaluated practice experience. It provides an opportunity to apply basic public health competencies acquired through coursework. The APEx is designed to meet student goals, specialization criteria, and the needs of the APEx organization. An approved proposal is required prior to enrollment in this course. *3 credits*

Pre-requisites: Enrollment in MPH degree program, completion of core courses, and consent of instructor.

MPH Culminating Experience

PH 590: MPH Seminar

The MPH Seminar is one component of the MPH Culminating Experience, and enrollment is concurrent with PH 995. The course addresses current issues in public health. Presentations and discussions focus on dissemination, synthesis, and application of knowledge acquired through coursework and other public health learning experiences. *1 credit*

Pre-requisites: Completion of core courses.

PH 995: Integrative Learning Experience

The Scholarly Project is one component of the MPH Culminating Experience, and enrollment is concurrent with MPH 590. Students complete a project that demonstrates synthesis and application of knowledge acquired through coursework and other public health learning experiences. *2 credits*

Pre-requisites: Completion of core courses or consent of instructor.

MPH Specialization Courses: Population Health Research & Analytics

PH 505: Introduction to Data Management in SAS

This course introduces students to the basics of data management using the statistical software SAS. The course emphasizes management and manipulation of large data sets using the active learning approach. Students need to bring their laptop computers to class, as well as a flash drive on which to store SAS programs and data sets. Data for exemplification will be chosen from the large array of online and publicly available health-related data sets. *1 credit*

PH 532: Biostatistics 2

This course continues the introduction to biostatistics begun in PH 531 on the selection, use, and

interpretation of basic statistical tests and concepts that may be used in addressing, analyzing, and solving problems in public health and health care research. Topics include nonparametric analysis, multiple linear regression, analysis of variance as a special case of multiple linear regression, and an introduction to logistic regression. *3 credits*

Pre-requisites: MPH 531 and MPH 505

PH 533: Advanced Biostatistics

This course develops advanced skills in biostatistics, with an emphasis on applied research in public health and medicine. Students learn how to derive quantitative answers to an applied research question by using multivariate statistical modeling. The course covers advanced topics in analysis of variance, linear and logistic regression, survival analysis, and generalized linear models. *3 credits*

Pre-requisites: PH 532 and PH 550

PH 550: Population Health Research Methods

This course provides an overview of the research process including conducting a literature review, formulation and motivation of a research problem, measurement and management of variables, selection of a sample, description and graphing of variables, analysis and interpretation of quantitative and qualitative data, use of statistical software, and writing a research report. Topics include how to identify a research question; reasons and procedures for reviewing the literature; descriptive statistics; graphing data; inferential statistics; qualitative study design and data analysis; different types of data; commonly used measures in public health-related research; and data mining techniques. *3 credits*

Pre-requisite: PH 531

PH 552: Epidemiology 2

This is a three-credit hour course designed to provide students with a critical understanding of intermediate epidemiological principles. This second course of epidemiology is a continuation of the PH 551 Epidemiology course which introduced basic epidemiology concepts to the students. PH 552 (Epidemiology 2) covers methods and techniques for designing, implementing, analyzing, and interpreting observational studies, including cross-sectional, case-control and cohort studies. *3 credits*

Prerequisites: PH 531 and PH 551.

MPH Specialization Courses: Health Management & Policy

PH 555: Health Law and Policy Analysis

The U.S. health system is undergoing significant transformation, and public health has a critical role at the federal, regional, state, and local levels. Students will learn advanced skills in applied health policy including: evaluating proposed legislation and reform; researching health legislation (e.g., Public Health Service Act, Social Security Act, Affordable Care Act); understanding the rulemaking process at state and federal agency levels once laws are enacted; conducting literature reviews; analyzing the evidence base for public health policy interventions; writing brief summaries of proposed legislation; giving testimony to inform health policy decisions; summarizing the pros and cons of health policy interventions; and identifying potential opponents, proponents, advocates, and stakeholders related to specific health law policy issues and interventions. *3 credits*

Prerequisite: POLS 552.

PH 572: Health Care Budgeting and Finance

This course focuses on learning and applying financial and managerial accounting principles and techniques to health services organizations. The subject matter is designed to provide a working knowledge of accounting, finance, and budget terminology. Components of the class include the evolution of healthcare finance and reimbursement, revenue and expense classifications, financial reporting, budgeting, financial analysis, financing of public health agencies, and the current and anticipated financial impact of healthcare reform on the healthcare industry and health services organizations. *3 credits*

Pre-requisite: MPH major or consent of instructor.

PH 583: American Indian Health Policy

The American Indian (AI) population is unique in the United States in that AIs are born with a legal right to health services. This is based on treaties and numerous other laws, executive orders, court decisions and other legal bases in which the tribes exchanged land and other natural resources for various social services, including housing, education, and healthcare. The Indian Health Service (IHS) is the federal agency responsible for carrying out the federal government's trust responsibility to provide public health and healthcare services to AIs. *3 credits*

Pre-requisites: Admission into MPH Program or prior approval from instructor.

POLS 551: Health Administration and Organization

The evolution of health systems and their organizational challenges of administration from human resources to management in times of scarce resources are explored. Specific attention is devoted to Financial Management, Managerial and Fund Accounting, Medicare, Medicaid, Fiscal Intermediaries and Managed Care, and Organizations in Decline. *3 credits*

MPH Specialization Courses: Indigenous Health

PH 581: Principles of Indigenous Health

This is a three-credit hour course designed to provide students with a critical understanding of determinants of Indigenous health and health disparities. In this course we will define Indigenous populations, histories, cultures, societies, traditional healing systems, food sources, patterns and impact of colonization, and health disparities. We will address historical and ongoing traumas associated with colonization and colonialism, understanding Indigenous concepts of health and healing, and ways of moving toward health equity. Populations we will assess include American Indian/Alaska Native, First Nations, Inuit, Sami, Aboriginal Australian, Maori, Ainu, and Pacific Islanders. *3 credits*

Pre-requisites: Admission into MPH Program or permission from the instructor.

PH 582: Social & Ecological Determinants of Indigenous Health

This is a three-credit hour course designed to provide students with the skillsets to apply the Social-Ecological Model to Indigenous Health through an Indigenous lens. Key concepts and determinants of health will include: Social determinants of Indigenous Health, Indigenous environmental health and environmental justice, impact of discrimination and marginalization of Indigenous populations, social and ecological case studies. *3 credits*

Pre-requisites: Admission into MPH Program or prior approval of instructor.

PH 583: American Indian Health Policy

The American Indian (AI) population is unique in the United States in that AIs are born with a legal right to health services. This is based on treaties and numerous other laws, executive orders, court decisions and other legal bases in which the tribes exchanged land and other natural resources for various social services, including housing, education, and healthcare. The Indian Health Service (IHS) is the federal agency responsible for carrying out the federal government's trust responsibility to provide public health and healthcare services to AIs. 3 credits

Pre-requisites: Admission into MPH Program or prior approval from instructor.

PH 584: Public Health Programming in Indigenous Populations

This is a three-credit hour course designed to provide students with the knowledge and strategies needed to develop and implement effective public health programs in Indigenous populations to address significant public health disparities. Key areas of focus include: Applying the Ten Essential Public Health Services in Indigenous Populations, Indigenous Research Program Evaluation Frameworks, Grant writing and management, Funding sources for Indigenous Public Health programming, Case Studies/Best and Promising Practices in Indigenous Public Health. 3 credits

Pre-requisites: Admission into MPH Program or prior approval from instructor

Continuing Enrollment (optional)

PH 996: Continuing Enrollment

Students who previously have registered for all of the necessary credits of coursework, research, Scholarly Project (995), Independent Study (997), Thesis (998), or Dissertation (999) on their approved Program of Study, but who have not completed their independent study, thesis, or dissertation, must register for 996 Continuing Enrollment each additional semester or summer session they are utilizing university facilities or the time of the faculty, (i.e., laboratories, libraries, examinations, advisement, etc.). See the Graduate School website for more information.

Electives

PH 534: Health Informatics

This course will introduce students in the health professions to the field of health informatics by providing the foundational competencies needed to understand and apply informatics concepts and methods to the practice of healthcare. Students will be given opportunities to develop informatics knowledge and skills using real-world examples of health IT applications from their current or future scope of practice. Student assessment will be based on demonstrated understanding and application of course content with exams, problem sets, and group discussion. 3 credits

Pre-requisites: PH 531 or consent of instructor.

PH 570: Special Topics in Population Health

This course explores special topics in the field of population health. Topics vary with faculty expertise and issues current in the field. The course may be repeated for credit if the topics are different. 1-3 credits

PH 573: Grant Writing & Management

This course provides an overview of the grant writing process and funding sources for research, practice, and administration/planning grants. Students will be required to develop a full grant proposal. Students will be assisted to identify funding sources that match a topic of their choosing. We will also explore the

importance of budgets, sustainability after the funding has ended and the role of collaboration to bring other organizations and stakeholders together to share ideas and resources. Specifically, the course will cover the complete process of grant writing which includes: identification of an achievable and fundable project, research and assessment of viable funding sources, funder relations, proposal writing, budget development, and final preparation of a full grant proposal package for submission. The course focuses not only on the practical structure of proposals, but also on peer-review, building relationships and issues such as project sustainability and evaluation. At the end of this course, students will gain an understanding of the nonprofit funding environments and become familiar with tools and resources available to assist them as they seek funds for their projects. Students will also gain grant reviewing and evaluation skills through practice and peer-reviewing opportunities. *3 credits*
Pre-requisite: MPH major or consent of instructor.

POLS 501: Political and Public Policy Analysis

This course focuses on the use of empirical data both to develop empirical theory and to make policy choices. Topics to be discussed include hypothesis testing, public choice, and policy evaluation. Students will be required to complete an original research project. *3 credits*
Pre-requisite: POLS 500 or consent of instructor.

POLS 537: Program Evaluation

This course introduces students to the theories and concepts of program evaluation used to analyze the effectiveness of public programs and enhance decision-making. Students will be introduced to the principal theories and techniques in the field and develop understanding of the benefits and trade-offs of each. In addition, students will develop practical skills through the development of a detailed evaluation design and plan for implementation. *3 credits*

POLS 561: Creation and Management of Social Enterprises

This course provides an overview of social entrepreneurship and social enterprises, including nonprofit. The course covers methods and techniques of social entrepreneurship, including organizational strategy, design, management, strategic planning, and leadership for social enterprises; legal foundations of social enterprises in the U.S.; and methods of social enterprise program evaluation. *3 credits*

POLS 562: Political Advocacy and Social Entrepreneurship

This course examines the use of social enterprises, including nonprofit, to achieve political, economic, and social change. Course coverage includes the use of social enterprises as vehicles for social transformation, development and execution of advocacy campaigns for social enterprises, the role of social enterprises within democracies, and the potential for social enterprises to address and overcome problems of collective action. *3 credits*

GEOG 474: Introduction to Geographic Information Systems (GIS)

An introductory course that examines the digital representation, manipulation, and analysis of geographic data, with emphasis on the analytical capabilities that GIS brings to bear on the solution of geographic problems. *3 credits with GEOG 474L (required)*
Pre-requisite: GEOG 471 and 471L or equivalent or consent of instructor.

GEOG 574: Advanced Techniques in Geographic Information Systems

An advanced course designed to extend GIS knowledge and experience and to prepare students to become effective GIS analysts. The course follows a hands-on, problem-solving approach that integrates the interests and analytical needs to participating students. Prerequisite: GEOG 474 or an equivalent approved by the department. *3 credits*

EFR 510: Qualitative Research Methods

Qualitative research methods are naturalistic and contextual. The methodology derives from Anthropology and other social sciences, and seeks to understand human behavior from the actors' perspective. Students are to learn the fundamental data collection methods: observation, participant observation, and interviewing, as well as data analysis through coding and categorizing. *3 credits*

MPH PROGRAM
Health Management & Policy Specialization
TWO YEAR, FULL-TIME PLAN OF STUDY (2023 Fall Start)

Term	Course	Credits	Credits/semester
Fall 1 (Core)	PH 531: Biostatistics 1 <i>Running Bear, U.</i>	3	10
	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	
	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	
	PH 541: Public Health Communication <i>Running Bear, U.</i>	2	
Spring 1 (Core) *Submit Plan of Study*	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	11
	POLS 552: Policy in Public Health <i>Hand, L.</i>	3	
	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
Summer 1	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Fall 2 (Specialization) *Submit Topic Proposal* *Advance to candidacy*	PH 555: Health Law and Policy Analysis <i>Hand, L.</i>	3	9
	PH 583: American Indian Health Policy <i>MPH Faculty</i>	3	
	ELECTIVE	3	
Spring 2 (Specialization) *Apply to graduate*	PH 572: Health Care Budgeting and Finance <i>Karikari, G.</i>	3	9
	POLS 551: Health Administration and Organization <i>Watson, J.</i>	3	
	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
	Total Credits	42	

The MPH Program requires at least 42 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 505: Introduction to Data Management in SAS
 PH 515: International Health Systems
 PH 532: Biostatistics 2
 PH 533: Advanced Biostatistics
 PH 534: Health Informatics
 PH 550: Population Health Research Methods
 PH 552: Epidemiology 2
 PH 573: Grant Writing & Management
 PH 581: Principles of Indigenous Health
 PH 582: Social and Ecological Determinants of Indigenous Health

PH 584: Public Health Programming in Indigenous Populations
 PH 570: Special Topics in Population Health
 POLS 501: Political and Public Policy Analysis
 POLS 537: Program Evaluation
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Population Health Research & Analytics Specialization
TWO YEAR, FULL-TIME PLAN OF STUDY (2023 Fall Start)

Term	Course	Credits	Credits/semester
Fall 1 (Core)	PH 531: Biostatistics 1 <i>Running Bear, U.</i>	3	10
	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	
	PH 510: Public Health & Health Care Systems <i>MPH Faculty</i>	2	
	PH 541: Public Health Communication <i>Running Bear, U.</i>	2	
Spring 1 (Core) *Submit Plan of Study*	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	12
	POLS 552: Policy in Public Health <i>Hand, L.</i>	3	
	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
	PH 505: Introduction to Data Management in SAS <i>Oancea, C. (Synchronous)</i>	1	
Summer 1	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Fall 2 (Specialization) *Submit Topic Proposal* *Advance to candidacy*	PH 550: Population Health Research Methods <i>Williams, A. (Synchronous)</i>	3	9
	PH 532: Biostatistics 2 <i>Oancea, C. (Synchronous)</i>	3	
	ELECTIVE	3	
Spring 2 (Specialization) *Apply to graduate*	PH 533: Advanced Biostatistics <i>Oancea, C. (Synchronous)</i>	3	9
	PH 552: Epidemiology 2 <i>Williams, A. (Synchronous)</i>	3	
	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
Total Credits		43	

The MPH Program requires at least 43 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 515: International Health Systems
 PH 534: Health Informatics
 PH 555: Health Law and Policy Analysis
 PH 570: Special Topics in Population Health
 PH 572: Health Care Budgeting & Finance
 PH 573: Grant Writing & Management
 PH 581: Principles of Indigenous Health
 PH 582: Social and Ecological Determinants of Indigenous Health
 PH 583: American Indian Health Policy
 PH 584: Public Health Programming in Indigenous Populations

POLS 501: Political and Public Policy Analysis;
 POLS 537: Program Evaluation
 POLS 551: Health Administration and Organization
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Indigenous Health Specialization
TWO YEAR, FULL-TIME PLAN OF STUDY (2023 Fall Start)

Term	Course	Credits	Credits/semester
Fall 1 (Core)	PH 531: Biostatistics 1 <i>Running Bear, U.</i>	3	10
	PH 581: Principles of Indigenous Health <i>Luger, B.</i>	3	
	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	
	PH 541: Public Health Communication <i>Running Bear, U.</i>	2	
Spring 1 (Core) *Submit Plan of Study*	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	11
	POLS 552: Policy in Public Health <i>Hand, L.</i>	3	
	PH 582: Social and Ecological Determinants of Indigenous Health <i>Luger, B.</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
Summer 1	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Fall 2 (Specialization) *Submit Topic Proposal* *Advance to candidacy*	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	9
	PH 583: American Indian Health Policy <i>MPH Faculty</i>	3	
	ELECTIVE	3	
Spring 2 (Specialization) *Apply to graduate*	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	9
	PH 584: Public Health Programming in Indigenous Populations <i>Karikari, G.</i>	3	
	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
Total Credits		42	

The MPH Program requires at least 42 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 505: Introduction to Data Management in SAS
 PH 515: International Health Systems
 PH 532: Biostatistics 2
 PH 533: Advanced Biostatistics
 PH 534: Health Informatics
 PH 550: Population Health Research Methods
 PH 552: Epidemiology 2
 PH 555: Health Law and Policy Analysis
 PH 570: Special Topics in Population Health
 PH 572: Health Care Budgeting & Finance
 PH 573: Grant Writing & Management
 POLS 501: Political and Public Policy Analysis;
 POLS 537: Program Evaluation
 POLS 551: Health Administration and Organization

POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Health Management & Policy Specialization
FULL-TIME PLAN OF STUDY, 1.5 YEARS (2024 Spring Start)

Term	Course	Credits	Credits/semester
Spring 1	PH 531: Biostatistics 1 <i>MPH Faculty</i>	3	11
	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	
	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
Summer 1	POLS 552: Policy in Public Health <i>MPH Faculty</i>	3	3
Fall 1 *Submit Plan of Study*	PH 555: Health Law and Policy Analysis <i>Hand, L.</i>	3	13
	PH 583: American Indian Health Policy <i>MPH Faculty</i>	3	
	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	
	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	
	PH 541: Public Health Communication <i>MPH Faculty</i>	2	
Spring 2 *Submit Topic Proposal* *Advance to candidacy*	PH 572: Health Care Budgeting and Finance <i>Karikari, G.</i>	3	12
	POLS 551: Health Administration and Organization <i>Watson, I.</i>	3	
	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
	ELECTIVE	3	
Summer 2 *Apply to graduate*	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
	Total Credits	42	

The MPH Program requires at least 42 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 505: Introduction to Data Management in SAS
 PH 515: International Health Systems
 PH 532: Biostatistics 2
 PH 533: Advanced Biostatistics
 PH 534: Health Informatics
 PH 550: Population Health Research Methods
 PH 552: Epidemiology 2
 PH 573: Grant Writing & Management
 PH 581: Principles of Indigenous Health
 PH 582: Social and Ecological Determinants of Indigenous Health

PH 584: Public Health Programming in Indigenous Populations
 PH 570: Special Topics in Population Health
 POLS 501: Political and Public Policy Analysis
 POLS 537: Program Evaluation
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Population Health Research & Analytics Specialization
FULL-TIME PLAN OF STUDY, 1.5 YEARS (2024 Spring Start)

Term	Course	Credits	Credits/semester
Spring 1	PH 531: Biostatistics 1 <i>MPH Faculty</i>	3	12
	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	
	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
	PH 505: Introduction to Data Management in SAS <i>Oancea, C. (Synchronous)</i>	1	
Summer 1	POLS 552: Policy in Public Health <i>MPH Faculty</i>	3	3
Fall 1 *Submit Plan of Study*	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	13
	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	
	PH 541: Public Health Communication <i>MPH Faculty</i>	2	
	PH 532: Biostatistics 2 <i>Oancea, C. (Synchronous)</i>	3	
	PH 550: Population Health Research Methods <i>Williams, A. (Synchronous)</i>	3	
Spring 2 *Submit Topic Proposal* *Advance to candidacy*	PH 533: Advanced Biostatistics <i>Oancea, C. (Synchronous)</i>	3	12
	PH 552: Epidemiology 2 <i>Williams, A. (Synchronous)</i>	3	
	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
	ELECTIVE	3	
Summer 2 *Apply to graduate*	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Total Credits		43	
The MPH Program requires at least 42 credits. Students may exceed this amount.			

ELECTIVES (Selected with approval of advisor)

PH 515: International Health Systems
 PH 534: Health Informatics
 PH 555: Health Law and Policy Analysis
 PH 570: Special Topics in Population Health
 PH 572: Health Care Budgeting & Finance
 PH 573: Grant Writing & Management
 PH 581: Principles of Indigenous Health
 PH 582: Social and Ecological Determinants of Indigenous Health
 PH 583: American Indian Health Policy
 PH 584: Public Health Programming in Indigenous Populations

POLS 501: Political and Public Policy Analysis;
 POLS 537: Program Evaluation
 POLS 551: Health Administration and Organization
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Indigenous Health Specialization
FULL-TIME PLAN OF STUDY, 1.5 YEARS (2024 Spring Start)

Term	Course	Credits	Credits/semester
Spring 1	PH 531: Biostatistics 1 <i>MPH Faculty</i>	3	11
	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	
	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
Summer 1	POLS 552: Policy in Public Health <i>MPH Faculty</i>	3	3
Fall 1 *Submit Plan of Study*	PH 583: American Indian Health Policy <i>MPH Faculty</i>	3	13
	PH 581: Principles of Indigenous Health <i>Luger, B.</i>	3	
	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	
	PH 541: Public Health Communication <i>Running Bear, U.</i>	2	
	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	
Spring 2 *Submit Topic Proposal* *Advance to candidacy*	PH 582: Social and Ecological Determinants of Indigenous Health <i>Luger, B.</i>	3	12
	PH 584: Public Health Programming in Indigenous Populations <i>Karikari, G.</i>	3	
	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
	ELECTIVE	3	
Summer 2 *Apply to graduate*	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Total Credits		42	
The MPH Program requires at least 42 credits. Students may exceed this amount.			

ELECTIVES (Selected with approval of advisor)

PH 505: Introduction to Data Management in SAS
 PH 515: International Health Systems
 PH 532: Biostatistics 2
 PH 533: Advanced Biostatistics
 PH 534: Health Informatics
 PH 550: Population Health Research Methods
 PH 552: Epidemiology 2
 PH 555: Health Law and Policy Analysis
 PH 570: Special Topics in Population Health
 PH 572: Health Care Budgeting & Finance
 PH 573: Grant Writing & Management
 POLS 537: Program Evaluation

POLS 501: Political and Public Policy Analysis;
 POLS 537: Program Evaluation
 POLS 551: Health Administration and Organization
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Health Management & Policy Specialization
4+1, FULL-TIME PLAN OF STUDY (Fall Junior Year Start)

Term	Course	Credits	Credits/semester
Fall 1 (Junior year undergraduate)	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	3
Spring 1 (Junior year undergraduate)	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	3
Fall 2 (Senior year undergraduate)	PH 531: Biostatistics 1 <i>MPH Faculty</i>	3	3
Spring 2 (Senior year undergraduate)	POLS 552: Policy in Public Health <i>Hand, L.</i>	3	3
Summer 1	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Fall 3	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	13
	PH 541: Public Health Communication <i>MPH Faculty</i>	2	
	PH 555: Health Law and Policy Analysis <i>Hand, L.</i>	3	
	PH 583: American Indian Health Policy <i>MPH Faculty</i>	3	
	ELECTIVE	3	
Spring 3	POLS 551: Health Administration and Organization <i>Watson, I.</i>	3	12
	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
	PH 572: Health Care Budgeting and Finance <i>Karikari, G.</i>	3	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
Summer 2	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	2
Total Credits		42	

The MPH Program requires at least 42 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 505: Introduction to Data Management in SAS
 PH 515: International Health Systems
 PH 532: Biostatistics 2
 PH 533: Advanced Biostatistics
 PH 534: Health Informatics
 PH 550: Population Health Research Methods
 PH 552: Epidemiology 2
 PH 573: Grant Writing & Management
 PH 581: Principles of Indigenous Health
 PH 582: Social and Ecological Determinants of Indigenous Health
 PH 584: Public Health Programming in Indigenous Populations

PH 570: Special Topics in Population Health
 POLS 501: Political and Public Policy Analysis
 POLS 537: Program Evaluation
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Population Health Research & Analytics Specialization
4+1, FULL-TIME PLAN OF STUDY (Fall Junior Year Start)

Term	Course	Credits	Credits/semester
Fall 1 (Junior year undergraduate)	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	3
Spring 1 (Junior year undergraduate)	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	3
Fall 2 (Senior year undergraduate)	PH 531: Biostatistics 1 <i>Running Bear, U.</i>	3	3
Spring 2 (Senior year undergraduate)	POLS 552: Policy in Public Health <i>Hand, L.</i>	3	4
	PH 505: Introduction to Data Management in SAS <i>Oancea, C. (Synchronous)</i>	1	
Summer 1	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Fall 3	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	13
	PH 541: Public Health Communication <i>MPH Faculty</i>	2	
	PH 550: Population Health Research Methods <i>Williams, A. (Synchronous)</i>	3	
	PH 532: Biostatistics 2 <i>Oancea, C. (Synchronous)</i>	3	
	ELECTIVE	3	
Spring 3	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	12
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
	PH 533: Advanced Biostatistics <i>Oancea, C. (Synchronous)</i>	3	
	PH 552: Epidemiology 2 <i>Williams, A. (Synchronous)</i>	3	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
Summer 2	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	2
Total Credits		43	

The MPH Program requires at least 43 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 515: International Health Systems
 PH 534: Health Informatics
 PH 555: Health Law and Policy Analysis
 PH 570: Special Topics in Population Health
 PH 572: Health Care Budgeting & Finance
 PH 573: Grant Writing & Management
 PH 581: Principles of Indigenous Health
 PH 582: Social and Ecological Determinants of Indigenous Health
 PH 583: American Indian Health Policy
 PH 584: Public Health Programming in Indigenous Populations
 POLS 501: Political and Public Policy Analysis

POLS 537: Program Evaluation
 POLS 551: Health Administration and Organization
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

MPH PROGRAM
Indigenous Health Specialization
4+1, FULL-TIME PLAN OF STUDY (Fall Junior Year Start)

Term	Course	Credits	Credits/semester
Fall 1 (Junior year undergraduate)	PH 504: Planning and Management to Promote Health <i>Lyon, A.</i>	3	3
Spring 1 (Junior year undergraduate)	PH 551: Epidemiology 1 <i>Oancea, C.</i>	3	3
Fall 2 (Senior year undergraduate)	PH 531: Biostatistics 1 <i>MPH Faculty</i>	3	3
Spring 2 (Senior year undergraduate)	POLS 552: Policy in Public Health <i>Hand, L.</i>	3	3
Summer 1	PH 594: Applied Practice Experience <i>Williams, A., Bayne, A.</i>	3	3
Fall 3	PH 510: Public Health and Health Care Systems <i>MPH Faculty</i>	2	13
	PH 541: Public Health Communication <i>MPH Faculty</i>	2	
	PH 581: Principles of Indigenous Health <i>Luger, B.</i>	3	
	PH 583: American Indian Health Policy <i>MPH Faculty</i>	3	
	ELECTIVE	3	
Spring 3	PH 545: Public Health Leadership and Interprofessional Practice <i>MPH Faculty</i>	3	12
	PH 520: Environmental Health <i>Lyon, A.</i>	2	
	PH 582: Social and Ecological Determinants of Indigenous Health <i>Luger, B.</i>	3	
	PH 584: Public Health Programming in Indigenous Populations <i>Karikari, G.</i>	3	
	PH 590: MPH Seminar <i>MPH Faculty</i>	1	
Summer 2	PH 995: Integrative Learning Experience <i>MPH Faculty</i>	2	2
Total Credits		42	

The MPH Program requires at least 42 credits. Students may exceed this amount.

ELECTIVES (Selected with approval of advisor)

PH 505: Introduction to Data Management in SAS
 PH 515: International Health Systems
 PH 532: Biostatistics 2
 PH 533: Advanced Biostatistics
 PH 534: Health Informatics
 PH 550: Population Health Research Methods
 PH 552: Epidemiology 2
 PH 555: Health Law and Policy Analysis
 PH 570: Special Topics in Population Health
 PH 572: Health Care Budgeting & Finance
 PH 573: Grant Writing & Management
 POLS 537: Program Evaluation

POLS 501: Political and Public Policy Analysis
 POLS 537: Program Evaluation
 POLS 551: Health Administration and Organization
 POLS 561: Creation and Management of Social Enterprises
 POLS 562: Political Advocacy and Social Entrepreneurship
 GEOG 474: Introduction to Geographic Information Systems, with Lab (GEOG 474L)
 GEOG 574: Advanced Geographic Information Systems
 EFR 510: Qualitative Research Methods
 Or, with approval of advisor, another course may be substituted

APPENDIX B: FOUNDATIONAL AND SPECIALIZATION COMPETENCIES

FOUNDATIONAL COMPETENCIES

Evidence-based Approaches to Public Health

1. Apply epidemiological methods to the breadth of settings and situations in public health practice
2. Select quantitative and qualitative data collection methods appropriate for a given public health context
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate
4. Interpret results of data analysis for public health research, policy or practice

Public Health & Health Care Systems

5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings
6. Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels

Planning & Management to Promote Health

7. Assess population needs, assets and capacities that affect communities' health
8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs
9. Design a population-based policy, program, project or intervention
10. Explain basic principles and tools of budget and resource management
11. Select methods to evaluate public health programs

Policy in Public Health

12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence
13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes
14. Advocate for political, social or economic policies and programs that will improve health in diverse populations
15. Evaluate policies for their impact on public health and health equity

Leadership

16. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making
17. Apply negotiation and mediation skills to address organizational or community challenges

Communication

18. Select communication strategies for different audiences and sectors
19. Communicate audience-appropriate public health content, both in writing and through oral presentation
20. Describe the importance of cultural competence in communicating public health content

Interprofessional Practice

21. Perform effectively on interprofessional teams

Systems Thinking

22. Apply systems thinking tools to a public health issue

SPECIALIZATION COMPETENCIES

Health Management & Policy
<ol style="list-style-type: none">1. Design and appraise a health organization's resource management plan2. Compare and contrast leadership strategies in public health3. Analyze multiple policy options in order to recommend a course of action to decision makers4. Evaluate and manage diverse stakeholder interests5. Develop health policies and implementation strategies
Population Health Research & Analytics
<ol style="list-style-type: none">1. Develop research questions and hypotheses2. Identify or develop data sets pertaining to research questions and hypotheses3. Apply study designs appropriate for research questions and hypotheses, and the corresponding analytic methodology4. Analyze data using appropriate statistical methods and interpret findings5. Translate and disseminate research results
Indigenous Health
<ol style="list-style-type: none">1. Analyze the impact of colonial processes on Indigenous health outcomes2. Propose strategies to implement essential public health services in Indigenous communities3. Evaluate evidence-based practices for their impact on Indigenous populations4. Apply principles of health equity to Indigenous populations5. Design a health promotion strategy that values and incorporates Indigenous peoples' traditional knowledge

APPENDIX C: PROGRAM VISION, MISSION, VALUES & GOALS

VISION

To improve population health in North Dakota, the Northern Plains, and beyond.

MISSION

To promote health and well-being and develop a culturally aware public health workforce through innovative and collaborative approaches to education, scholarship, and service within local communities, our region and the world.

VALUES

Advancing Knowledge

We advance population health knowledge through innovative and collaborative scholarship, education and service.

Social Justice

We foster social responsibility and equity in our students and the communities we serve.

Community Engagement

We develop a cooperative learning and work environment that promotes active participation with the communities we serve.

Professionalism

We promote personal and professional ethics and integrity in all of our endeavors.

Diversity and Inclusion

We create and support environments that are inclusive and rich in diversity.

GOALS

Goal 1: Student Success

Equip students with professional competencies, broad evidence-based knowledge, and critical thinking skills necessary to excel as public health professionals and leaders.

Goal 2: Instruction

Provide high-quality education and promote student-engaged learning through coursework delivered by skilled faculty using interdisciplinary and innovative delivery methods.

Goal 3: Scholarship

Evaluate critical public health issues and develop solutions through creative and collaborative local, national, and international research endeavors that reflect our values and those of the communities we serve.

Goal 4: Service

Cultivate and support interdisciplinary partnerships that promote health and well-being, and a lifelong passion for learning and leadership through engaged professional and community service.