

# MASTER OF PUBLIC HEALTH - EPIDEMIOLOGY Guidelines for required and elective practica 2022/2023 Version dated: August 2022

# Contents

Key contacts and resources	1
Addendum: The impact of the COVID-19 pandemic on required and elective practica in Epidemiology	2
Objectives and guidelines for required and elective practica in Epidemiology	3
Sequence of activities for practica and tips at each stage	4
Student eligibility for practicum	6
Defining the practicum goals and deliverables (a key part of the practicum contract)	7
Requirement for student access to data. (Required Epidemiology practicum only)only	8
Typical practicum timelines	9
Alternative timelines and arrangements (subject to approval)	9
Enrolment in practicum course(s), credit weight and equivalent work hours	10
Recommended stipend and hourly rate of pay (2020-2021)	10
Practicum forms and documents at a glance (deliverables, abstract, poster, report)	11
Guidelines on deadlines. How midterm evaluation and final document deadlines are set, within the term.	13
Meeting deadlines and responsible (limited) use of extensions	13
Evaluation and grading of the practicum	13
Requirement for review of deliverables (including privacy and confidentiality)	15
Research intensive placements and PhD eligibility	15
Matters of authorship and intellectual property	16
Global health practica and going abroad	16
Practicum Accommodations Guideline	17
Appendix A. Competency statements to guide practicum learning objectives	22
Appendix B: Accessibility Services Student Notification Form for How Information is Used	25

# Key contacts and resources

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# Key reference materials and resources:

1. DLSPH MPH Epidemiology Program Handbook. See latest version online:

http://www.dlsph.utoronto.ca/program/mph-epidemiology

- 2. Public Health Learning Network https://phln.utoronto.ca/home/home.htm
- 3. To learn more about practicum process, recommended pay, supervisor's experience and to see past practicum opportunities visit <u>http://www.dlsph.utoronto.ca/programs/mph-health-promotion-and-epidemiology-practicum/</u>
- Graduate Department of Public Health Sciences Student Handbook (See current year on DLSPH website)
   School of Graduate Studies Student Wellness Portal
- http://www.sgs.utoronto.ca/currentstudents/Pages/wellness-portal.aspx
- 6. Other information resources for Graduate Students <u>http://www.sgs.utoronto.ca/currentstudents/Pages/default.aspx</u>

# Addendum: The impact of the COVID-19 pandemic on required and elective practica in Epidemiology (April 2021)

The situation regarding the COVID-19 pandemic is ever changing. The Program Director, Practicum Officer and Associate Dean of Academic Affairs are working to keep students up to date as policies and deadlines adapt to this change.

Year 1 MPH students who are able to complete their first required practicum in the summer of 2021 will be enrolling in practicum for the summer session. These will be remote placements unless specific approval for an in-person placement has been received from the Program Director and the Associate Dean of Academic Affairs.

MPH students who cannot participate in a practicum this summer will be allowed to complete their required practicum in Year 2. Year 1 students who cannot participate in a summer practicum will be short 2 FCEs and can earn these credits one of two ways: 1) coursework over the summer, or 2) taking a second practicum summer 2022. The summer 2022 term will not add tuition or fees for those in the 2 year MPH, but will delay graduation to November 2022.

As the situation evolves, we will update students on the potential impact on future practicums (e.g., Winter and Summer 2022).

During this time, we are working to be as flexible as possible to meet the training needs of our students all to allow students to meet the program requirements within their given timeframe. Please reach out to the Program Director (Jennifer Brooks) or the Practicum Officer (Sarah Ko) if you need additional guidance during this time.

# **Tips for Working Remotely**

- Go easy on yourself
- Prioritize mental and physical health
- Have a space in your home that is just for work
- Make a schedule and have a routine
- Take breaks!
- Stay connected to friends, peers, family, co-workers etc.
- Focus on tasks you can do from home

# **Additional Resources**

- 1. <u>Guide to Working from Home for Graduate/Postdoctoral</u> <u>Researchers</u>
- 2. SGS Coronavirus (COVID-19) Updates
- 3. Essential Guide for Grad Students 2019-2020
- 4. SGS Graduate Wellness Portal
- 5. SGS Financial Aid and Advising
- 6. SGS <u>Student Academic Services Office</u>
   7. <u>Emergency assistance grants</u> are available for students impacted by COVID-19 and who need immediate short-term financial relief

# Objectives and guidelines for required and elective practica in Epidemiology

The practicum component of the MPH is a key part of students' learning process. It is where students can gain skills in real public health practice settings, with the support of a field supervisor. Practica are designed to provide the students with an opportunity to:

- 1. Apply and synthesize the theories, knowledge, concepts, principles and methods learned in their courses; and,
- 2. Develop or hone professional and/or research skills appropriate to their areas of interest

Placements are work/study placements and may be undertaken in a wide variety of settings including at the University, at academic research centres, in government offices and government-funded agencies, with community or charitable organization, with domestic or international non-government agencies (NGOs) and even approved private sector employers. The work done may be described as research, surveillance, monitoring and evaluation, quality assurance or other terms. All approved placements will challenge students to apply the epidemiologic methods, concepts and skills addressed in courses, and also develop professional, workplace, skills and build contacts. For more information on program competencies, see *Appendix A. Competency Statements to Guide Practicum Learning Objectives*.

## **Required practicum**

A minimum of one <u>required</u> practicum placement (also called "Practicum 1") is completed by all MPH students.

For MPH students in Epidemiology, the required practicum must fulfil the following criteria:

- The student will perform some quantitative data manipulation and/or statistical analysis (using primary data collection or secondary analysis of existing data).
- The student must contribute to one or more substantial works of writing. This may be original research or report(s) authored by the agency or a working group. Publication and authorship by the student are both neither required nor guaranteed. Authorship policies vary according the terms of the employment or placement and of the agency or employer.
- Students must present their completed or work in progress. This includes informal presentation and conversation about work in progress with supervisors and co-workers. This should also include a formal presentation at the site of the practicum, or elsewhere inside or outside the university. All students prepare a poster presenting a summary or specific aspects of the work completed (whether or not the poster is presented, publicly).
- The overall work completed at the placement must allow the student to apply epidemiologic concepts and skills and promote the competencies of the MPH Epidemiology program. MPH competencies for epidemiology are listed in the MPH Program Handbook, and are updated periodically.

Every student is guaranteed one placement which meets the criteria for the required practicum, within the normal completion time for the MPH (two years for full time students). We cannot guarantee that the student will have all their preferences met in terms of preferred subject area, activities, supervisor or location. Opportunities posted through the Practicum Office are subject to availability and are competitive. There is no guaranteed payment or stipend.

## **Elective practicum**

Elective practicum placements are taken by many students, typically as the second placement before graduation (Winter term of second year for full-time students). For the elective practicum, there is greater flexibility in terms of the context and specific objectives. An approved placement will allow the student to apply skills which are more broadly relevant to research or professional work in public health. Students are not guaranteed a second placement. In recent years, there have been enough placements advertised through the program to allow most students to do two placements. Students are encouraged to arrange their own second placement, but must work with the Practicum Officer to ensure the placement can be approved. Students who have completed a required placement are not permitted to apply to the posted list for first time students in summer term.

# Sequence of activities for practica and tips at each stage

# Identifying a potential placement

First year students must follow the instructions and timeline for practicum activities presented at meetings and workshops run by the Program Director and Practicum Officer. These sessions will start by October of the first fall term. Incoming MPH Epidemiology students should expect that they will complete their first required practicum from a database (the Public Health Learning Network [PHLN]) of suitable opportunities provided to the current year's eligible class. Posted opportunities will be opened up to first year students in January after fall term grades are approved. New positions can appear at any time during the winter term. First year students must not make commitments to any placement without consulting with the Practicum Placement Officer and Program Director.

A second, elective practicum is not guaranteed and students are typically expected to make their own arrangements. Approved practicum opportunities suitable for upper year Epidemiology students for the winter term are also listed in the PHLN. In recent years, there have been enough positions advertised through the Practicum Office to satisfy the needs of upper year Epidemiology students. Students who have identified their own elective placement must work closely with the Practicum Officer as early as possible to allow time for approvals.

It is not uncommon for incoming students to apply or have applied for research scholarships/fellowships describing research interests and identifying one or more potential research mentor. Scholarship applications are always encouraged. However, research work completed for practicum credit must first satisfy the practicum guidelines and be approved by the Program Director and Practicum Officer. It may not always be possible to earn practicum credit while completing research or other work arranged outside of the practicum process. With or without scholarship money, we will try to enable students to pursue research or professional work in areas that interest them. It is also not necessary for students to identify a supervisor, practicum or research topic early in the MPH program. Actually, we discourage most students from making commitments too early. Most students should use the first year of the MPH to explore options.

Students may present novel practicum placements (e.g., first practicum student for the agency, supervisor or location) to the Practicum Officer. In this instance, it is often necessary to establish new affiliation agreements and approvals from other University offices. This takes time and cannot always be completed by the proposed start date but we will always try to make it work. For novel international placements, both the Practicum Officer and Office of Global Public Health Education and Training (OGPHE&T) will both be involved. (See also the section on Global Health and Going Abroad, in this document).

## Applying to positions

By the time students are applying to positions, they will have been offered several hours of professional development sessions on CVs, interview skills, etc. Students must apply to specific placements, always following the specific instructions posted with each opportunity. It is common for students to have to apply for several positions. It is common for students to have to apply for positions over several weeks or months and it is common for new positions to appear in the database at any time of year.

Please try not to schedule interviews during class time. Supervisors know they are recruiting students. We ask them to be flexible and minimize academic harm to students who may spend many hours pursuing placements. When invited to an interview that conflicts with class, tutorials or exams, the student may ask, politely, if the interview can be moved to avoid conflict. If the conflict cannot be resolved, the student must inform the affected course instructor(s) and may be required to present evidence that the attempts to avoid the conflict were unsuccessful. The Practicum Officer and Program Director can be called upon to help guide and support students in awkward situations.

## Setting the practicum activities, deliverables and competencies (i.e., negotiating the learning contract)

The position posting and interview should give students a good sense of the work and expectations of the practicum. The detailed arrangements must be written into a learning contract that is uploaded no later than the end of the first week of the practicum. Students should use interviews and early meetings to ask about:

• Expected activities, deliverables and timelines

- Availability of data (specific details about data "in hand" with ethical approvals already completed)
- Supervisory roles and frequency of contact
- Dates of interviews for interim and final evaluation; dates of presentations and team meetings
- Working conditions (physical space, computers, software and communications); access to peers and expectations of workplace interactions
- Methods that will be used to review and approve deliverables
- Expectations for authorship and any expectations for ongoing relationships (employment or future collaboration) after the end of the practicum

At interviews for practica, students <u>must</u> ask what data to be used are in-hand and ready to be used. Some great placements do little data analysis. Under current guidelines, these should be identified as the 'elective' placement and the student will arrange another placement to make up the requirement for hands-on quantitative work. It is common that access to data is delayed. Keep in touch. We may need to intervene.

## Progress during the practicum

Students have a responsibility to maintain regular contact with supervisor for their own timetable and progress.

It is recommended that formal work-in-progress meetings be set with the supervisor at least one week before interim and final evaluations and before deliverables are due to be submitted to DLSPH.

A student with concerns can ALWAYS contact the Practicum Officer and Program Director, in confidence. It is better to raise a question early than be addressing a problem, later.

## **End of practicum**

All final practicum materials must be submitted at OR BEFORE the last date of the actual practicum. Roughly the last quarter of the placement may be dedicated almost entirely to final write-ups (and often several rounds of review and revision of drafts). Students and supervisors must demonstrate exceptional time management. Communication between supervisor and student about expectations and timeline is very important. Grades for the practica are submitted at the usual end-of-term grading and approval deadlines.

# Student eligibility for practicum

Students must successfully complete the following courses prior to undertaking either a required or elective practicum:

- CHL5004H Introduction to Public Health
- CHL5401H Epidemiologic Methods I
- CHL5201H Biostatistics I
- CHL5426H Population Perspectives for Epidemiology
- CHL5300H Public Health Policy I
- CHL5402H Epidemiologic Methods II
- CHL5202H Biostatistics II
- CHL5405H Health Trends and Surveillance
- CHL5418H Scientific Overviews

In exceptional circumstances, a student may seek the permission from the Program Director to take a required course after or during the first practicum. This must be approved before the student drops or decides not to enroll in the required course. Permission to postpone the required course may be granted where: 1) there is a clear and unusual advantage to doing this; AND 2) there is evidence that the student has professional or educational experience such that deferring the course will not leave a gap in preparation for the placement. Required courses must be completed before graduation.

If one or more of the required pre-requisite courses is incomplete (for any reason, including medical) or failed, then the normal course of action will be to cancel or delay the start of any approved practicum until the outstanding work has been completed successfully and grades approved. Reasonable measures will be taken to try to protect the placement, but there can be no guarantee that a placement start date can be delayed or that a replacement position can be arranged for the same term.

# Defining the practicum goals and deliverables (a key part of the practicum contract)

Practicum deliverables are products that reflect the student's work during the placement. These are described here, separately from other forms and documents, because these are such an important feature of the practicum proposal and learning contract. Progress toward creating deliverables must be reflected in the midterm and final evaluations. At the end of the placement, the package of deliverables presented to the supervisor(s), Practicum Officer and Program/Course Director must provide evidence that the core objectives of the placement were met.

For Epidemiology, the student must have contributed to prose (**written work**) which is substantial and demonstrates the interpretation of epidemiologic work. Deliverables must also show that the student has applied their skills in **quantitative work** including any combination of data collection, data processing (modification, documentation, coding, modification, merging, etc.,) and analysis (descriptive reporting through complex multivariable analyses).

Examples of deliverables produced by epidemiology students in the past:

- One or more drafts of a manuscript that might be submitted for peer-review as an original research paper using epidemiologic research and/or surveillance methods
- One or more professional report (such an outbreak investigation, systematic review, surveillance or health status report) authored by a public health agency including work (literature review, analytic work, interpretation, etc.,) contributed by the student for the practicum,
- One or more report or document for agency use (i.e., internal use versus publication) but demonstrating epidemiologic competencies (e.g., ethics or funding applications, questionnaires. database creation documents and codebooks, computer programs, field-work guides for monitoring, surveillance, quality assurance, program evaluation or investigator-initiated research).
- One to several presentations made by the student, alone or as part of the team, on work done in practicum.
- Abstracts, newsletters, or internet posts describing work undertaken by the student for the practicum.

Several of the examples, above, if the *only* thing submitted, would not be sufficient. For writing, it is not acceptable when the package of deliverables includes only presentations (e.g., only poster or slides) or non-prose formats (such as bullet-points, excel workbooks, codebooks or computer programs). One or more documents must include interpretative paragraphs, written by the student, in language appropriate for scientific, professional or community- based audiences. Occasionally, supervisors have little writing to assign to a student or short-term employee. Some students are asked, primarily, to update the figures and graphs for a pre-existing report template. In this case, the student **MUST** create additional, original, written work. Preferably the supervisor will create and support a written assignment. Another approach is to expand the required Practicum Report into a full academic essay of 6-8 pages. It should become a scientific review or commentary about the work done in the practicum (the process and/or the findings of work completed). The essay should include a review of existing literature, comparing and contrasting the work with information from other similar agencies, similar or different populations, etc. The student should identify an appropriate model or writing guide.

Several Epidemiology students have followed the Health Promotion MPH Practicum Guidelines which require a 6 - 8 page reflection paper. This is structured, reflective self-evaluation about the practicum experience and how this affected the student's personal and professional growth. (Ask for the Health Promotion guidelines if not available online).

A frequently asked question is what is meant by a 'draft' report or manuscript. Deliverables should include some material in <u>all</u> the necessary sections of the report and many of these sections should be in the form of fairly polished prose (well-organized, following a specific style guide, with citations in place, etc.). Some sections can be in brief or outline form, but should identify the main points to be made if not completely developed. Students and supervisors should have many conversations about how (if) they will collaborate after the end of the practicum and if review and revision of the work will continue after the end of the term.

# Requirement for student access to data. (Required Epidemiology practicum only)

Some use of data is an absolute requirement for the Required Epidemiology practicum. Therefore, it is imperative that the necessary data are available to the student at the start of the placement. It is very common for people to be overly-optimistic about how soon data will be available (or approvals to use data in place). This can cause significant delays and harm to students if they are unable to complete placement objectives on time. If students are going to be involved in data collection during the placement (a highly useful and relevant experience) the supervisor must ensure that project timelines are realistic and enough work will be completed in time to meet practicum objectives.

Ideally, full ethical and data access approvals will all be in place <u>before</u> the practicum position is advertised. It should require only amendment to agreements (such as ethical approvals) to name the specific student joining the project as staff or graduate student (these type of amendments are approved fairly quickly). The supervisor and placement agency are responsible for presenting and following their own local requirements with respect to confidentiality and data security. Where a student is required to complete on-site privacy or other training prior to handling data, this time is to be built into the practicum hours.

Some placements have no data. We recognize that many practicum placements offer unparalleled learning opportunities for a young epidemiologist but have no quantitative work that needs to be done (or that can, feasibly, be done by a student on a short term placement). These placements should be negotiated as the elective practicum completed after or (with approval) before a fully qualifying required practicum. In specific circumstances additional, elective coursework selection(s) can be used to supplement the practicum placement and fulfil the requirement for quantitative epidemiology work. This is subject to approval by the Program Director and Graduate Coordinator. The elective course(s) must require the student to use intermediate to advanced data analysis techniques and to complete independent analysis and interpretation.

# Typical practicum timelines

Unless explicitly approved, practica start and end within one normal academic term. Summer, fall and winter term placements should not start earlier than the first business days of May, September and January, respectively. The Work Term Record and Planning Framework state the approved start and end dates for actual work at the practicum site. Students are responsible for meeting the deadline for midterm evaluations (by student and supervisor) which are due at the half-way point between the practicum start and end date. The last date of placements for summer, fall and winter practica are the last working days (for the agency) of August, December and April. Deliverables will usually be due before the last date of placement. For details on end-of-placement deadlines, see elsewhere in this manual.

# Alternative timelines and arrangements (subject to approval)

Part-time practicums are possible. For example, an 8 or 12 week placement may extend over 16 calendar weeks (within one academic term). If absolutely necessary students can seek approval to have the placement start in one academic term and be completed early in the following term. Such arrangements must be approved in advance. More than half the work and the midterm evaluations must be completed by the first term grading deadline. With acceptable progress, the student will be granted a coursework extension and re-enrolled in the same practicum for the subsequent term. A single practicum <u>may not</u> be stretched over three terms.

Occasionally, placements may be completed where a student has previously been employed, continues to work or where the student is enrolled (concurrently) in a clinical or professional fellowship. In these cases, the learning contracts and supervisory arrangements must be developed carefully with the Practicum Officer and Program Director. Work already completed for academic or non-academic purposes, or which does not satisfy practicum requirements, cannot earn University of Toronto credit. Students must be aware of conflict of interests and influences outside the MPH Program which may interfere with practicum or program completion. Plagiarism, falsification and misrepresentation of work or authorship are all serious academic offenses.

# Enrolment in practicum course(s), credit weight and equivalent work hours

Practicum placements are listed as graduate courses and require students to enroll in one or a combination of course codes to match both the type of placement and desired credit weight (see Table 1 for enrolment details).

Table 1 MPH Placticul Course coues and now they are used		
Title	Credit weight and FT equivalent	How used
Required MPH Practicum	1.0 FCE (8 weeks)	Required course code for the required MPH practicum
Extension to Required MPH Practicum	0.5 FCE (+ 4 weeks)	Used with CHL6010 to create 1.5 FCE (12 week) requirement placement (the recommended minimum duration)
Long Extension to Required MPH Practicum	1.0 FCE (+ 8 weeks)	Used with CHL6010 to create 2.0 FCE (16 week) required MPH placement
Optional MPH Practicum	1.0 FCE (8 weeks)	Required course code for the MPH elective practicum
Extension to Optional MPH Practicum	0.5 FCE (+ 4 weeks)	Used with CHL6020 to create 1.5 FCE (12 week) elective practicum
Long Extension to Optional MPH Practicum	1.0 FCE (+ 8 weeks)	Used with CHL6020 to create 2.0 FCE (16 week) elective practicum
	TitleRequired MPH PracticumExtension to Required MPH PracticumLong Extension to Required MPH PracticumOptional MPH PracticumExtension to Optional MPH Practicum Long Extension to Optional MPH	TitleCredit weight and FT equivalentRequired MPH Practicum1.0 FCE (8 weeks)Extension to Required MPH Practicum0.5 FCE (+ 4 weeks)Long Extension to Required MPH Practicum1.0 FCE (+ 8 weeks)Optional MPH Practicum1.0 FCE (8 weeks)Extension to Optional MPH Practicum0.5 FCE (+ 4 weeks)Extension to Optional MPH Practicum0.5 FCE (+ 4 weeks)Extension to Optional MPH Practicum0.5 FCE (+ 4 weeks)Image: Descent result0.5 FCE (+ 4 weeks)Image: Descent result1.0 FCE (+ 8 weeks)

Table 1MPH Practicum course codes and how they are used

The usual and recommended length for the first Required practicum is 16-weeks. A 12-week practicum is also permitted. The first Required practicum is usually completed in the summer term (May to August) after the second semester of courses. Most MPH Epidemiology students who do a second practicum, do this in the winter term (January to April) of the second term. Regardless of the number of credits you enroll in, the default work schedule is five days per week, full time, and putting in roughly 35 hours per week at the practicum. Other schedules should be explicitly approved by the supervisor and written into the learning contract. The following list shows the approximate numbers of work hours for practicum durations (core or add-ons).

- 16 weeks = 2.0FCE = 560 hours
- 12 weeks = 1.5 FCE= 420 hours
- 8 weeks = 1.0 FCE = 280 hours
- 4 weeks = 0.5 FCE =140 hours (possible only as an add-on)

With permission of the Practicum Officer <u>and Program Director</u>, students may be allowed to take an elective credit at the same time as the practicum. This is more common for second/elective placements and for students with strong grades and successful first placement experience.

# Recommended stipend and hourly rate of pay (2020-2021)

When a practicum is paying a lump-sum stipend, the recommended amount is \$10,000 regardless of whether it is a required or elective practicum and regardless of duration. If your agency prefers a pro-rated hourly rate, we suggest using the hourly rate of \$20.50. In all cases, funding is dependent on agency's policies and capacities, not all practica are paid, or paid at this rate.

# Practicum forms and documents at a glance

# Box 1 Practicum forms and documents organized by practicum timeline and due date.

## Prior to your first day

- If you secure a practicum from Public Health Learning Network (PHLN), please complete the Work Term Record and Practicum Officer will link the practicum description to your profile and close the opportunity.
- If you are coordinating your own practicum outside of PHLN, please work with Practicum Officer closely very early on during the fall semester as we may need to extend an agreement. All students need to complete a Work Term Record.
- Workplace Safety Insurance Board coordination: All students must upload a "Student Declaration form for Unpaid Practicum" along with the Work Term Record (found on PHLN) if the practicum is unpaid or paid a stipend. If you are not sure, please contact <a href="mailto:practicum.dlsph@utoronto.ca">practicum.dlsph@utoronto.ca</a>
- The Work Term Record will be sent to your primary supervisor 1 week before your start date.
- Students completing a practicum outside of Canada must register with Safety Abroad Office, attend their workshop and submit all waivers prior to the start date. Please also connect with Office of Global Public Health Education and Training <a href="mailto:ghoffice.dlsph@utoronto.ca">ghoffice.dlsph@utoronto.ca</a>

## 1 week into practicum; due by end of day

• Planning framework/learning contract outlining deliverables on PHLN Once you submit this, it will be sent to your primary supervisor for review and confirmation.

# Midpoint (e.g., end of 6<sup>th</sup> week for 12 week placement)

- Student midterm evaluation on PHLN
- Supervisor midterm evaluation link will be sent to primary supervisor electronically

# <u>"End of practicum package": Due end of day on LAST DAY OF PLACEMENT or the GRADING DEADLINE</u> whichever is EARLIER

- Student final evaluation of placement PHLN
- Supervisor final evaluation of the student link will be sent to primary supervisor
- Practicum abstract PHLN
- Final practicum report (see Epidemiology-specific guidelines in this document) PHLN
- Poster (first practicum only) -see poster resources provided by Practicum Officer on PHLN
- Practicum deliverables of final or near finished products PHLN

## Deliverables

For more information about the deliverables, see Setting the practicum goals and deliverables (in this document).

## Poster

Students are required to submit a poster at the end of the REQUIRED placement. An electronic version of the poster must be uploaded to PHLN. Students are encouraged to submit their poster for Research & Practice day in the fall, to share their work and experience with faculty, staff, incoming students and the wider DLSPH community. The Practicum Officer will provide online resources for practicum students including resources for designing a poster and examples of posters. As a rule of thumb, these are not a single image such as might make up one slide during a talk or presentation. They should be formatted so that they could be printed and used at a scientific or public health meeting (equivalent printed size being roughly 1.5 to 2m width and 1m height.

#### Practicum report (8 pages double spaced max.)

Your final practicum report must include the following:

- 1) A brief overview of the organization you worked for;
- 2) What were the accomplishments of your practicum? To what extent has your practicum achieved its objectives? What indicators did you use to measure your performance?

Briefly describe 2-3 practicum objectives and how they were met. If the objectives of the practicum have not been met, explain what happened and why. If you worked in collaboration or cooperation with other organizations, describe those arrangements and their importance to the practicum deliverables. Be as specific as possible;

- 3) How you achieved the core competencies outlined on your learning contract;
- 4) How did the practicum experience align with the courses you have taken in the first year of the program? Describe how you applied tools, theories and/or principles you learned from your graduate-level courses to the practicum projects;
- 5) When considering your overall practicum experience, did you experience any challenges? What lessons did you learn that might help you in your future career? How did these lessons differ from those learned in the classroom? Describe what you have learned from designing and/or carrying out the practicum projects that might inform similar future projects or career opportunities. Discuss how or if the hands-on professional experience complemented the lessons learned the classroom;
- 6) What impact do you think the project has had in the field of public health and your learning?

Please highlight specific findings or results of any practicum projects. Describe what you believe to be the impact of each project with respect to building your competencies;

7) Any other information you think would be useful to include to share.

You can also include any explanation as to how your practicum experience may have differed from what you originally planned or had in mind and what you did to address these changes.

See also, Setting the practicum goals and deliverables (in this document).

#### Practicum abstract

An "abstract" provides a high level overview of your practicum experience. This should be a half page (200-300 words) description of the work completed during your placement. This can be in paragraph form describing your experience and project(s) or in a structured research form (examples: Introduction, Methods, Results, Conclusions, or Objectives, Activities, Methods, and Outcomes).

Students submitting posters and abstracts are asked if they are willing to share these materials with future DLSPH practicum students and if they can be used in DLSPH promotional materials. At the time of submission, the student will be asked to indicate if the student and agency/supervisor consents to the use of the abstract for this purpose.

# Guidelines on deadlines. How midterm evaluation and final document deadlines are set, within the term.

A large amount of information is due at the end of the placement. All these materials are due the EARLIER OF the last working date of the practicum or the across-the-board grading deadline WHICHEVER IS EARLIER (see Table 2).

Term	Start and (latest) end dates	Grading deadline
Summer	First working day of May Last working day (for the agency) in August	Announced by Practicum Officer each summer. Typically, in the second or third week in August.
Fall	First working day of September (for the agency) to last working day of December (for the agency)	Announced by Practicum Officer each fall. At least 1 to 2 weeks prior to the U of T winter break.
Winter	First and last working days of January and April, respectively (at agency)	Announced by Practicum Officer each winter term. Usually first week of April. <i>Students graduating in June</i> <i>must submit ALL materials by the grading deadline but</i> <i>may work at the practicum until the last business day of</i> <i>April.</i>

# Table 2 Guidelines for practicum start/end dates and deadlines for submission of final documents.

# Meeting deadlines and responsible (limited) use of extensions

Fulfilling promises, negotiating deadlines, and time management are all competencies which must be demonstrated by public health professionals in any field. Roughly one month before evaluations and/or deliverables are due, students should be meeting or communicating with the supervisor at least weekly (more often is better). You should always be discussing the timeline for work to be completed. Be sure to discuss the plans for review of documents (within the agency and DLSPH), as well as plans for authorship, presentations etc.

If the practicum work or deliverables cannot be submitted by the end-of-term grading deadline, the student must apply to the Course Director (Program Director) for a Coursework Extension. This application includes a new deadline and a rationale for the delay/extension. Any requests for extension of dates to submit material to DLSPH for review MUST be prepared starting one to two weeks before deadlines. Students should reach out to the Practicum Officer and Program Director if assistance is needed at any stage of the placement.

# Evaluation and grading of the practicum

Practicum supervisors evaluate student performance and recommend if the student should be given credit for successful practicum completion. However, the course grade is submitted by the Course Director for the Practicum Course(s). Practica receive a CREDIT/ NO CREDIT grade, rather than a letter-grade. Where the supervisor's evaluation is negative, or the work done is insufficient or inappropriate, the Course Director will meet with the student and present the required revisions or additional work required for credit in writing. A practicum which is not completed satisfactorily by the grading deadline for the current or following term may result in outcomes including late withdrawal, incomplete and/or failure. The student is responsible for understanding and following all DLSPH and SGS policies regarding appeals as well as academic good standing.

If a student is dismissed from a practicum, for cause, this will ordinarily result in failure of the practicum. Such situations will always receive careful and compassionate review. If a student experiences lay-off or other

unexpected end of placement, every effort will be made to find alternative arrangements to ensure learning objectives, and academic credit, are achieved. The goal will be to ensure the student can still complete the MPH program within the original timeline.

# Requirement for review of deliverables (including privacy and confidentiality)

The Course Director, Program Director and/or Practicum Officer <u>must</u> be able to assess the nature and quality of work completed by the student. Therefore, we must be given access to the students 'deliverables' (work produced for the supervisor or agency) or academic credit cannot be awarded. The supervisor and student are both responsible for ensuring that arrangements for document review have been settled <u>well before the deadline</u> to submit materials. In some instances special procedures are required (e.g., signed confidential agreements or special document handing procedures). The Course Director will make every effort to satisfy the requirements of the agency. No material will be retained or redistributed without consent.

Note: the university staff will not grade or provide many (if any) comments on the deliverables produced by the student for the agency or supervisor as part of the placement. Our role is to verify the nature and quality of the student's contribution and ensure that learning objectives are met.

# Research intensive placements and PhD eligibility

The MPH Epidemiology program no longer uses the term `capstone` or extra paperwork for research intensive practicum positions. All MPH Epidemiology students acquire research experience suitable for application to PhD programs through required courses, practicum and electives. Many placements can be organized to allow the student to contribute to or complete original research if this is negotiated in advance. Students and supervisors are strongly advised to review the Graduate Supervision: Guidelines for Students, Faculty, and Administrators. Second Edition, Toronto: University of Toronto School of Graduate Studies, June 2012.

Many research-focused students have produced original research within one, or each of two unrelated placements. Students may also choose to do two practicum placements with the same supervisor or at the same location to allow the student to complete more independent research or participate in more stages of research over a longer period of time. The placements must have non-overlapping start and end dates, and distinct activities and deliverables. Students cannot be obliged to do a second placement with the same supervisor(s).

MPH Epidemiology graduates have enjoyed excellent success in PhD admissions with or without the previous 'capstone' designation. When applying to PhD programs, make sure you cite language in the MPH Epidemiology Handbook, and DLSPH website, which describes our research competencies. Also ensure that letters of reference speak to your research training and research skills and experience including your practicum experience.

# Matters of authorship and intellectual property

# Supervisors in research, government and non-government agencies, alike, are strongly encouraged to create opportunities for student (co-)authorship. Students also need to know that rights to authorship cannot be guaranteed in all work-study placements.

In all kinds of practicum settings, students **often** are able to qualify as contributing or even lead authors on agency or peer-reviewed publications. Authorship status, however, depends on the employment contract, the nature of work, policies of the agency and authorship guidelines of the publication outlet (e.g., specific journal). In a professional or government placement, the materials produced by the student are <u>often</u> the intellectual property of the employer, <u>not</u> the student. Students <u>must</u> ask about authorship plans during practicum interviews and when negotiating the learning contract. **Students and supervisors should refer to authorship plans and guidelines they will follow within the signed learning contracts and continue this conversation throughout the placement.** 

# Global health practica and going abroad

Students enrolled or interested in the Collaborative Emphasis in Global Health must connect with both the Practicum Officer and The Office of Global Public Health Education & Training (OGPHE&T). Students in the Emphasis typically complete one or more practicum placement that satisfies both the guidelines for Epidemiology and the Global Health Collaborative Emphasis. Travel outside of Ontario is <u>not</u> a requirement for a practicum in Global Health. There are many public health agencies and experts within the Greater Toronto Area and within the DLSPH community.

Most MPH Epidemiology students will not receive approval to do the first/required practicum outside of Canada. MPH students greatly benefit from the learning opportunities within Canadian placements. Letters of reference for relevant professional experiences, in Canada, are vitally important for your post-MPH career path. We also restrict access to overseas placements (and placements with vulnerable populations) to protect the students, to protect the integrity and reputation of DLSPH programs, and to protect the best interests of our international public health partners.

Once students have established a strong academic history within the MPH, and once they have successfully completed a first practicum in Canada, they can then consider an elective practicum abroad. The primary source for such opportunities is our own practicum opportunities developed for students by the Practicum Officer and OGPHE&T.

Students who wish to undertake a first/required practicum experience outside of Canada may request an appointment with the Program Director and Practicum Officer to request approval. Bring your full CV, transcripts and references. Eligible students must have appropriate backgrounds comparable to having already completed a domestic practicum (e.g., periods of full-time professional work experience with similar levels of responsibility and independence, and experience both living independently and traveling out of country for academic or non-academic purposes). All required course pre-requisites must be successfully completed before any student starts a practicum outside Canada. Students must also register with the Safety Abroad Office and complete preparatory workshops as required. See Safety Abroad Office website for more information. Advanced planning is necessary to allow time for university paperwork, visas etc.

Finally, no MPH student is guaranteed a practicum placement outside of Ontario. No student is guaranteed financial support for travel or living expenses during a practicum.

# Practicum Accommodations Guideline

# Purpose

The purpose of this guideline is to establish a clear and transparent process for facilitating disability-related practicum accommodations for students living with disabilities. This includes students living with physical, mental health, and learning disabilities as defined in the Accessibility for Ontarians with Disabilities Act (AODA).

The Dalla Lana School of Public Health (DLSPH) works to ensure students are aware of the Accessibility Services registration process and strives to create a culture where accommodation is destigmatized, and diversity is celebrated. DLSPH also works closely with Accessibility Services to ensure accommodations are made in accordance with the Ontario Human Rights Code. This guideline is one component of those efforts.

# **Guiding Principles**

- 1. DLSPH is committed to providing practicum accommodations as advised by the University's Accessibility Services Office.
- 2. The accommodation process is a shared responsibility and requires students to register with Accessibility Services. Students with known physical health, mental health, or learning disabilities should register with Accessibility Services as soon as they accept their offer of admission. Students should also meet with their Accessibility Advisor to discuss practicum placements before the practicum application process begins. This helps ensure that DLSPH and practicum sites have adequate time to address practicum accommodation needs. DLSPH will always make reasonable attempts to address accommodation needs when they are brought to <u>our</u> attention; however, practicum accommodations might not be possible if a known disability is raised by a student after their practicum begins.
- 3. Accommodations are designed to create equitable access to practicum placements and are provided when a student's disability prohibits their demonstration of knowledge or skills. Students that require practicum accommodations must still meet their program's standards and essential competencies for practicum completion, the same as their peers that do not require accommodations. DLSPH programs identify competency expectations and publishes them on the DLSPH website so students can consider them when applying to programs.
- 4. All practicum accommodations necessary to support disability related barriers will be considered up to the point of undue hardship to the University or the practicum site organization. For example, practicum accommodations will be considered so long as they do not compromise the safety of self and others, damage academic integrity of programs of study, or cause unreasonable impact to safe and effective operations of clinical settings. Accessibility Services should be consulted to determine whether an accommodation crosses the threshold of undue hardship to the University or the practicum site.
- 5. Student privacy and confidentiality is respected. Information concerning practicum accommodation requirements are shared within DLSPH and with practicum sites on an as needed basis and with student consent. In accordance with the <u>Accessibility Services Statement of Confidentiality on Use and Disclosure of Personal Information</u>, Accessibility Services releases to DLSPH specific information on a limited and 'as needed' basis to administer accommodations. DLSPH is not provided with information about a diagnosis or disability related concern. DLSPH is only provided with the minimum information needed to support the student in applying to appropriate practicum placements. DLSPH, in turn, only shares with practicum sites the minimum information needed to support appropriate implementation of practicum accommodations.
- 6. Communication is critical. Developing, implementing, and revising accommodations requires all stakeholders involved communicate early and often. This includes communication between the Student, Accessibility Services Advisor, DLPSH Program Director, DLSPH Practicum Placement Officer, and Practicum Site Preceptor. Students are encouraged to contact their Accessibility Advisor as soon as possible should any accommodation-related concerns arise throughout their practicum placement.
- 7. **Disability-related accommodations and accommodation changes require Accessibility Services' involvement.** To ensure the fair and equitable implementation of accommodations DLSPH faculty and staff and Practicum Site Preceptors

Version date: August 2022

are required to consult with a student's Accessibility Advisor. This is for transparency and appropriate record keeping, and to ensure all efforts to help and support the student are consistent and documented in detail to enable future review and continuous process improvement.

# Process

# Steps and Responsibilities

- **Responsible** the role responsible for executing, documenting, and communicating the results for the step.
- **Consulted** the role(s) that need to be consulted if/as needed for information on requirements and competencies.
- **Informed** the role(s) that need to be informed when a decision is made and executed.

	Steps	Student	Accessibility Services Advisor	DLSPH Program Director	DLSPH Practicum Placement Officer	Practicum Site Preceptor
1.	Register with Accessibility Services	Responsible	-	-	-	-
2.	Assess practicum accommodation needs	Consulted	Responsible	Consulted*	-	-
3.	Write and distribute Practicum Accommodation Letter to DLSPH	Informed**	Responsible	Consulted	-	-
4.	Receive and distribute Practicum Accommodation Letter as necessary	Consulted and Informed	Consulted	Responsible	Informed	-
5.	Apply <u>for</u> and secure an appropriate practicum placement	Responsible	Consulted	Consulted	Consulted	-
6.	Communicate practicum accommodation needs to Practicum Site Preceptor	Responsible***	Informed	Informed	Responsible***	Informed
7.	Implement practicum accommodations (as soon as possible to allow time for addressing logistical challenges)	Consulted, Informed, Responsible as appropriate	Informed	Informed	Informed	Responsible
8.	Monitor, evaluate, communicate, and remediate as necessary	Responsible	Responsible	Responsible	Responsible	Responsible

\*DLSPH Program Director provides information on competencies, skills, and expected demands of the student in the practicum placement. \*\*Accessibility Services Advisor reviews and student signs the Accessibility Services "Notification of How Your Information Will Be Used form".

\*\*\*This should be done as soon as possible; if feasible during the application process, or as soon as the placement is accepted.

# **Description of Steps**

Step

Description

1. Register with Accessibility Services	<ul> <li>Early registration with Accessibility Services is critical. Students should register as soon as they accept their offer of acceptance to their program.</li> <li>This can be done via website forms (LINK) or by email Accessibility.services@utoronto.ca or by calling 416-978-8060.</li> <li>Student will be required to provide medical documentation from a registered practitioner and collaborate on deciding on reasonable and appropriate accommodations. Documentation should outline relevant functional limitations and barriers and severity. This documentation should be from a registered health professional with an appropriate scope of practice to diagnose the disability.</li> <li>Student is also advised to review the Accessibility Services Graduate Handbook (LINK) and Ontario's "Guide to your rights and responsibilities under the Human Rights Code" (LINK).</li> </ul>
2. Assess Practicum Accommodation needs	<ul> <li>Student participates in a preliminary interview with an assigned Accessibility Services Advisor and provides additional information as required to complete a fulsome assessment of practicum accommodation needs.</li> <li>Accessibility Services Advisor         <ul> <li>Reviews documentation to verify the presence of a disability on behalf of the University.</li> <li>Formulates a preliminary accommodation plan through a review of documentation and discussion with the student around functional limitations.</li> <li>Consults with the DLSPH Program Director regarding nature of the practicum demands and expectations in relation to the student's disability and any out of the ordinary accommodations.</li> <li>Decides on appropriate and viable accommodations that will enable the student to meet practicum requirements.</li> </ul> </li> </ul>
3. Write and Distribute Practicum Accommodation Letter	<ul> <li>Accessibility Services Advisor         <ul> <li>Documents accommodations required for the student to meet practicum learning and performance requirements in the Practicum Accommodation Letter.</li> <li>Notifies student of how their information will be used at the University, and with other institutions with which the student might engage as part of their program.</li> <li>Obtains student signature on <i>"Notification of How Your Information Will Be Used"</i> form. See appendix for example.</li> <li>Sends the Practicum Accommodation Letter to the relevant Program Director: For PHS program directors can be found here. https://www.dlsph.utoronto.ca/divisions/division-heads-and-program-leaders/. For IHPME program directors can be found here: https://ihpme.utoronto.ca/community/connect/ The IHPME or PHS graduate coordinator can assist with identifying the relevant program director if necessary.</li> <li>On a need-to-know basis, supports faculty and staff to assess and meet their legal obligations for providing practicum accommodations.</li> </ul> </li> </ul>

<ul> <li>4. Receive and distribute Practicum Accommodation Letter as necessary</li> <li>5. Apply and secure practicum</li> </ul>	<ul> <li>Program Director (for program in which the student is enrolled)         <ul> <li>Receives the Practicum Accommodation Letter.</li> <li>Clarifies understanding of accommodation requirements with Accessibility Services Advisor, if needed</li> <li>Has conversation with student regarding consent to share accommodation letter with Practicum Placement Officer and Practicum Preceptor.</li> <li>With student verbal consent, shares Practicum Accommodation Letter with DLSPH Practicum Placement Officer.</li> </ul> </li> <li>Student applies to appropriate practicums with support and guidance from Practicum Placement officer, DLSPH Program Director, and Accessibility Services</li> </ul>
6. Communicate accommodation needs to Preceptor	<ul> <li>Advisor as needed.</li> <li>Practicum Placement Officer or Student (as agreed on in step 4) shares Practicum Accommodation Letter with Practicum Preceptor.</li> </ul>
7. Implement practicum accommodations	<ul> <li>Practicum Site Preceptor         <ul> <li>Reviews Practicum Accommodation Letter.</li> <li>Meets with student prior to start of practicum to clarify accommodation requirements and establish mutual expectations.</li> <li>Consults with Program Director and Accessibility Advisor if any concerns arise related to the requested accommodations.</li> <li>Implements agreed upon accommodations.</li> </ul> </li> </ul>
8. Monitor, evaluate, communicate, and remediate as necessary	<ul> <li>Student         <ul> <li>Notify the Practicum Preceptor and/or Accessibility Services Advisor as soon as possible regarding issues regarding accommodations, learning and performance.</li> <li>Raise concerns regarding the accommodations with the Practicum Site Preceptor and/or the Accessibility Services Advisor as appropriate.</li> <li>Notify the Accessibility Services Advisor if new disability related impacts emerge that warrant modifying the practicum accommodation plan.</li> </ul> </li> <li>Practicum Site Preceptor         <ul> <li>Raise concerns regarding the student's accommodations and performance as soon as possible with the student and / or practicum placement officer or program director as appropriate.</li> <li>If the placement site raises concerns about the student's performance, or if the student reports new disability related impacts, the Accessibility Advisor must re-evaluate and assess whether the accommodation plan must be modified as soon as possible.</li> </ul></li></ul>

# Responding to Needs That Emerge During a Practicum

New or modified student needs sometimes emerge during practicum. This can be a can change in a pre-existing disability or the development of a new disability. This can also occur when a student living with a disability does not register and work with Accessibility Services prior to the practicum.

The Student, Practicum Site Preceptor, and DLSPH Program Director have the following responsibilities when they recognize or are notified of a potential change in accommodation needs during a practicum.

Student	Practicum Preceptor	DLSPH Program Director
<ul> <li>Discuss with their Accessibility Services Advisor as soon as possible to develop a new or modified accommodation plan</li> </ul>	<ul> <li>Ask the student if they have a new or changed accommodation need - without asking about the disability causing the potential need.</li> </ul>	<ul> <li>Confirm the Accessibility Services Advisor is assessing the change and preparing a new or modified accommodation plan.</li> </ul>
<ul> <li>Notify their Practicum Preceptor that they have a new or modified accommodation need and that they are working with the Accessibility Services Advisor to develop a new or modified accommodation plan.</li> <li>Notify their DLSPH Program Director.</li> </ul>	<ul> <li>Encourage the student to assess the potential new or modified accommodation need with their Accessibility Services Advisor.</li> <li>Notify the DLSPH Program Director.</li> <li>Implement new or modified accommodations</li> </ul>	<ul> <li>Confirm the Practicum Preceptor will be implementing the new or modified accommodation plan.</li> <li>Check-in with the Student to ensure they are comfortable with how their new or modified accommodation needs are being understood and</li> </ul>
	recommended by the Accessibility Services Advisor.	a <mark>ssess.</mark>

# Appendix A. Competency statements to guide practicum learning objectives

DLSPH Core Competencies for MPH Epidemiology (Source: MPH Epidemiology Curriculum Committee. Appears in annual MPH Epidemiology Program Handbook)

### Box 2 Core Competencies for DLSPH MPH in Epidemiology

#### A. Understanding the system

- a. Describe public health and understand public health systems in relation to other health care systems (e.g., international).
- b. Describe legislation regarding public health privacy and personal health information.
- c. Demonstrate a broad understanding of content areas such as the social determinants of health, occupational and environmental health, and healthy environments, in general.

## B. Understanding data sources; critical appraisal

- a. Identify existing data sources and gaps
- b. Demonstrate knowledge of available data sources and their applicability.
- c. Evaluate strengths and weaknesses of available data
- d. Recognize sources of bias and validity when critically appraising research literature

### C. Databases, technology, surveillance

- a. Explain the design and implementation of surveillance systems
- b. Develop and manage databases
- c. Recognize the uses of technological systems (e.g., GIS) and literature databases (e.g, Medline)
- d. Operate/employ basic commands within a statistical package (e.g., SAS, SPSS, R, etc.)
- e. Identify key findings from surveillance data, draw conclusions, identify health threats
- f. Recognize and utilize evidence-based guidelines for surveillance

### D. Epidemiologic methods

- a. Describe population health status, determinants, risk factors, health care utilization
- b. Evaluate health outcomes and understand implications for population health
- c. Write a draft proposal for a study (which includes a study protocol, data collection instruments, proposed analysis, etc.)
- d. Conduct risk assessment (with guidance)
- e. Design basic analysis plan, sampling design, sample size estimation
- f. Describe the design and implementation of qualitative and quantitative research
- g. Design and interpret outbreak investigations, including disease clusters
- h. Prepare reports/publications suitable for peer review
- i. Apply ethical principles to data collection, management, dissemination
- j. Differentiate between and evaluate applicability of various study designs

## E. Biostatistics, data analysis

- a. Use statistical methods to estimate measures of disease occurrence, risk, trends, associations
- b. Use statistical methods to conduct multivariable hypothesis testing

## F. Public health guidance

a. Provide epidemiological input to develop measurable outcomes for public health programs

# MPH Core Competencies across all DLSPH MPH Fields (Competencies may be suitable for required or elective placements)

### Source: DLSPH Curriculum Renewal Taskforce Report (November, 2012)

#### http://www.dlsph.utoronto.ca/wp-content/uploads/2015/06/Final-MPH-CRTF-INTERIM-REPORT-Nov-2-2012.pdf

The 30 overarching core competencies recommended by this Taskforce represent the fundamental MPH curriculum at DLSPH. Individual fields must include these overall core competencies and will have additional discipline-specific competencies. These core competencies developed by the CRTF are organized using the seven Public Health Agency of Canada (PHAC) categories and are:

#### Leadership, Professionalism and Ethics

- 1) Apply evidence-informed principles to critical evaluation and decision-making in public health.
- Embrace a definition of public health that captures the unique characteristics of the field (e.g., populationfocused, community-oriented, prevention-motivated and rooted in social justice) and how these contribute to professional practice.
- 3) Develop strategies to motivate others for collaborative problem solving, decision-making, and evaluation.
- 4) Utilize public health ethics to manage self, others, information and resources.

#### **Communication and Knowledge Translation**

- 5) Interpret, communicate information and write for professional, nonprofessional and community audiences.
- 6) Use current technology to communicate effectively.

### Partnerships, Advocacy, Collaboration

- 7) Appreciate the importance of working collaboratively with diverse communities and constituencies (e.g. researchers, practitioners, agencies and organizations).
- 8) Appreciate the strengths and contributions of various public health disciplines and how to collaborate with them to solve public health problems.
- 9) Use skills such as team building, negotiation, conflict management and group facilitation to build partnerships.

#### Assessment, Analysis and Evaluation

- 10) Appreciate the nature of evidence and be able to judge the quality of research.
- 11) Demonstrate knowledge of the range of research methodologies and designs and their appropriate applications.
- 12) Design, plan and list the steps towards implementing quantitative research.
- 13) Design, plan and list the steps towards implementing qualitative research.
- 14) Apply and interpret statistical analyses found in public health studies.
- 15) Analyze and interpret quantitative data.
- 16) Analyze and interpret qualitative data.
- 17) Evaluate an action, policy or program.

#### Policy, Program planning and Implementation

- 18) Analyze the effects of political, social and economic policies on public health systems at the local, provincial, national and international levels.
- 19) Identify goals, measurable objectives, related activities, and expected outcomes for public health programs.
- 20) Address the challenges of implementation of a policy or program and/or take appropriate action to address specific public health issues.
- 21) Demonstrate an ability to set and follow priorities, and to maximize outcomes based on available resources.
- 22) Demonstrate knowledge of the policy process for improving the health status of populations.

23) Apply the principles of program planning, development, budgeting, management and evaluation in organizational and/ or community initiatives.

## **Diversity, Culture, Inclusiveness**

- 24) Advocate for and develop public health programs and strategies responsive to the diverse cultural values and traditions of the communities being served.
- 25) Recognize how the determinants of health (biological, social, cultural, economic and physical) influence the health and well-being of specific population groups.
- 26) Apply culturally- relevant and appropriate approaches with people from diverse cultural, socioeconomic and educational backgrounds, and persons of all ages, genders, health status, sexual orientations and abilities.

## **General Public Health Sciences Knowledge**

- 27) Describe the role of social, behavioural and community factors in both the onset and solution of public health problems.
- 28) Demonstrate knowledge about environmental factors including biological, physical and chemical factors that affect the health of a community.
- 29) Demonstrate knowledge of the role of human biology in the development and implementation of disease prevention, control, or management programs.
- 30) Demonstrate knowledge of Canada's public health systems (e.g. federal, provincial, and local).

The CRTF fully recognize that developments in the field of public health, relevancy of this competency set, and faculty acceptance and use will dictate the shelf life of these competencies. On-going dialogue and revisiting of these competencies will ensure the list remains appropriate, timely and forward-thinking.

# Appendix B: Accessibility Services Student Notification Form for How Information is Used

Please note this is an example as of March 2022. Accessibility Services provides students with most recent form during the registration and assessment process.

Accessibility Services collects medical documentation and other information pertaining to your functional limitations, your history of learning or personal circumstances for the following purposes:

- To verify the need for disability related accommodations for academic work and,
- To develop and implement effective disability related accommodations and supports.

Accessibility Services respects your privacy and keeps your information confidential. Information may be shared with university staff, but only on a need-to-know basis for them to perform their duties and to provide academic or other disability related accommodations on campus.

If you participate in an exchange at another institution your information may be shared, on a need-to-know basis, as necessary, with, and by, staff at the host institution for them to perform their duties and to provide academic or other disability related accommodations while you are on exchange at the host institution.

## Examples:

- Test and Exam accommodations will be shared with the Accommodated Testing Services (ATS) office for invigilation purposes.
- The name of students with a reduced course load as an accommodation may be shared for fees adjustment purposes or to arrange bursaries.
- Accessibility Advisors may speak to a professor, registrar, or residence staff to arrange accommodations and supports.
- When a student encounters difficulties that require attention from other University units, such as Academic Progress, Crisis Response, Health & Wellness necessary information is shared with those units.

To protect your information, all University staff receiving information follows University policies and guidelines, the **Freedom of Information and Protection of Privacy Act** (where applicable) and other legal requirements.

If you have any questions, please send an email to <u>accessibility.services@utoronto.ca</u>. Your email will be forwarded to the Director or the Assistant Director for follow up as soon as possible.

By signing this form, you acknowledge that you have read and understand the above.

Print Name Student Number

Signature Date February 2020