



# Dental public health mixed pedagogies: bringing the community to the classroom

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## Objectives

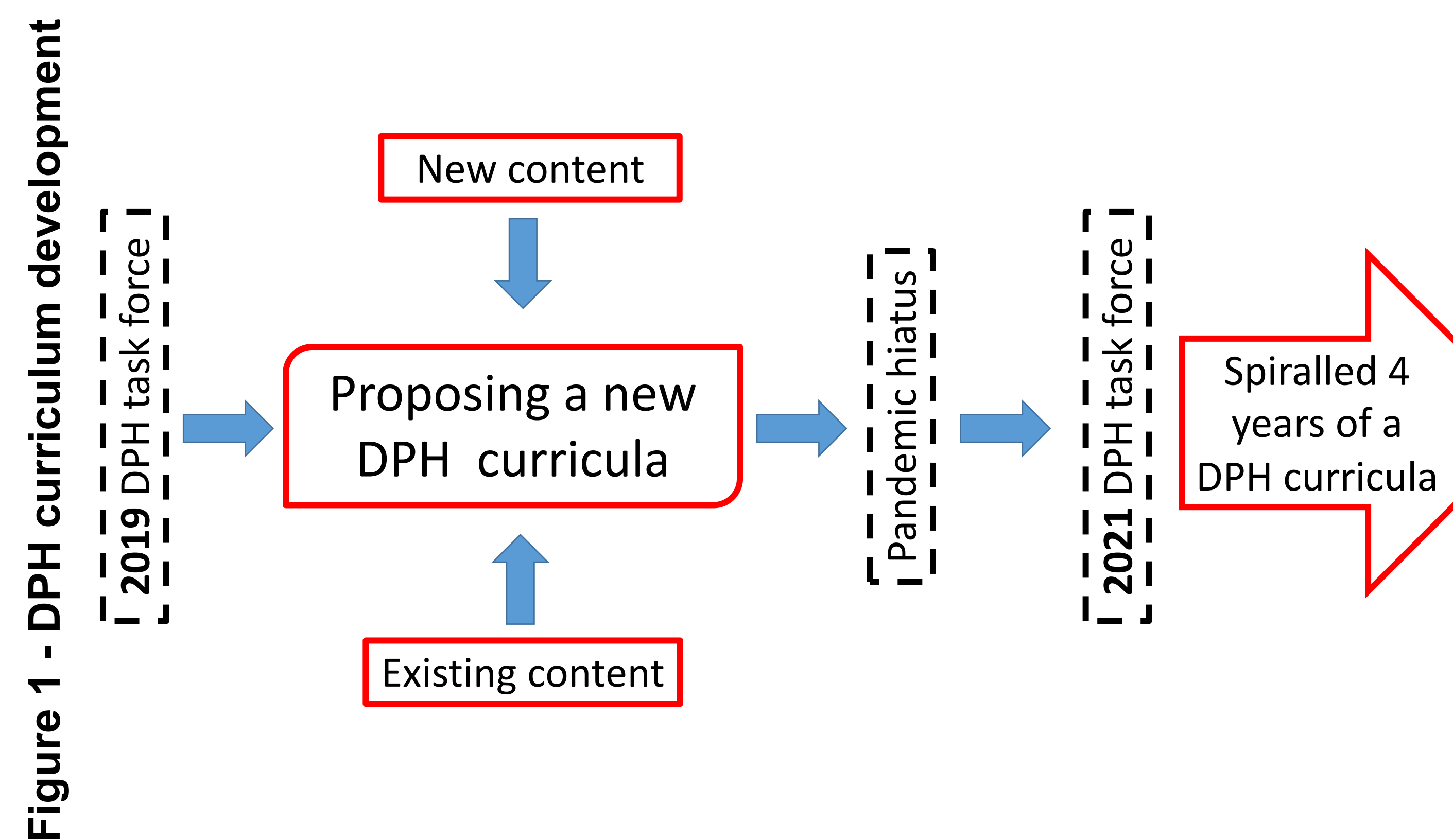
- To further develop, finalize and implement a new Dental Public Health (DPH) undergraduate curricula, enhancing the teaching and learning outcomes of both dental and dental hygiene students.
- The proposed curricula entails 4 spiraled modules within the 4 years of undergraduate dentistry curricula and within 2 years of the dental hygiene curricula: DPH I, II, III, and IV (Figure 1).
- It combines existing DPH content with new content (Figure 1).

## Ongoing process...

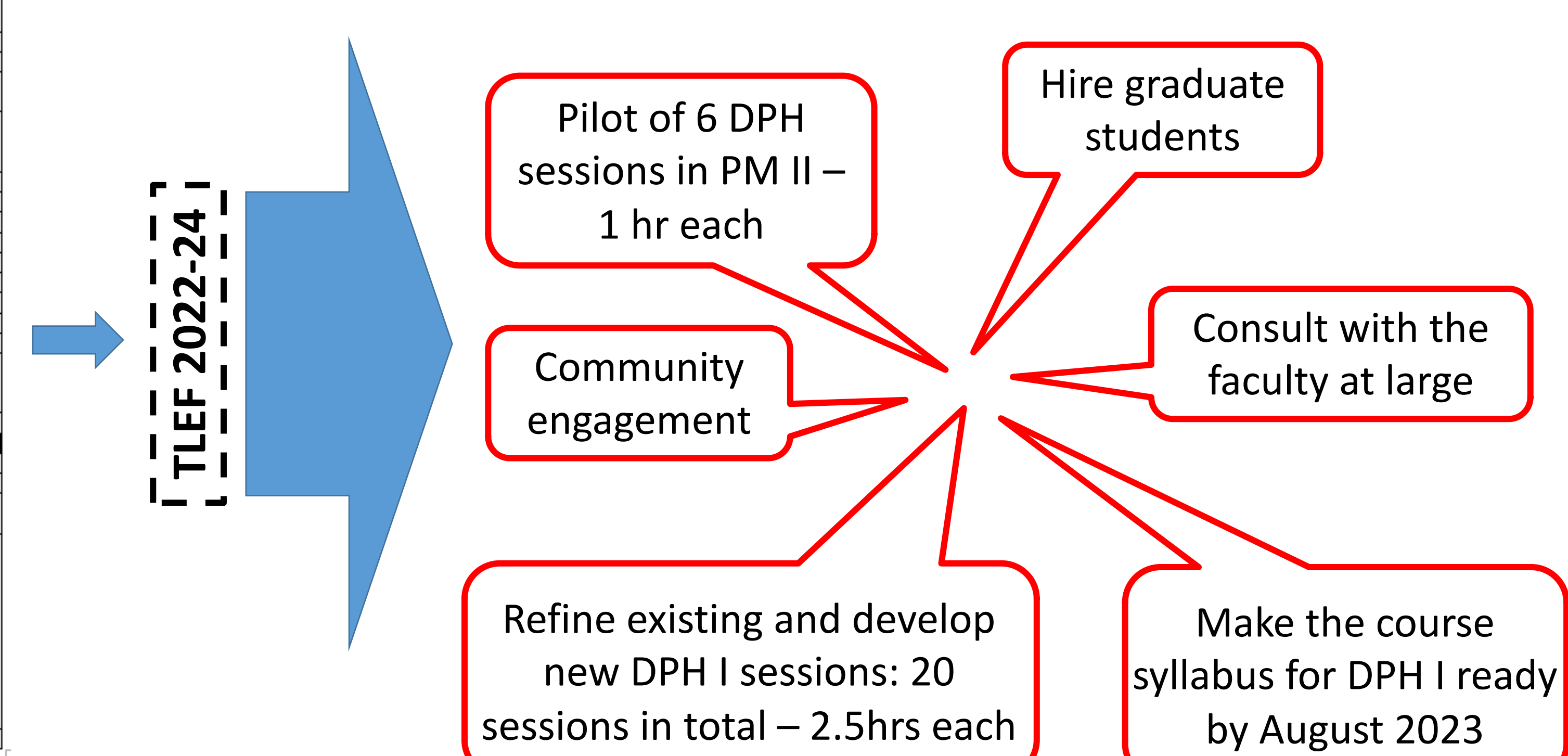
- As of today, DPH I was approved to start in 2023-24 (Figure 1).
- We are finalizing the DPH content and will implement the proposed sessions for DPH I this upcoming academic year, 2023-24.
- The curricula employ diverse and inclusive learning materials (i.e., session description, assignment, grading rubric), various innovative pedagogies (i.e., community engaged learning, in-class discussions and self-reflections, community as a teacher) and assessments (i.e., community feedback, peer and self-assessment).

Figure 2 - Students reached by the project thus far:

Course Code	Section	# of Students	Academic Year	Term
DENT 440	Practice Management II	55	2022/23	Sep
DENT 410	Dental Public Health	65	2023/24	Jan
DHYG 310	Dental Public Health	24	2023/24	Jan



Current PEP I and II, UBC Health and PM II sessions/content (2021/21) from Oscar	Proposed changes: Modules and/or content (2022/23)
<b>YEAR 1 - DENT 410</b>	
Aug 31 UBC Health Identity formation, UBC IPE orientation, IPE Professionalism, IPE Anti-harassment, IPE Antisocial	PEP I/DPH: 1 (shared session, 3-5PM)
Sep 1 UBC Health IPE Ethical professional - small groups	IGP I
Sep 15 UBC Health The dental office visit, Communication skills I	IGP I
Sep 22 UBC Health Communication skills II	IGP I
Sep 29 UBC Health Communication skills III	IGP I
Oct 6 UBC Health Communication skills IV	IGP I
Oct 13 UBC Health IPE (unsupervised protected time)	DPH: 3 (short session 10-11:50AM)
Oct 20 UBC Health Culture awareness	DPH: 4
Oct 27 UBC Health IPE Ethics Q 1	PEP I / IGP I
Oct 28 UBC Health SDH I	DPH: 5
Nov 3 UBC Health IPE ICS Q 1	DPH: 6
Nov 10 UBC Health RD Fall reading break	IGP I
Nov 17 UBC Health EBPI II	IGP I
Nov 24 UBC Health EBPI exam prep	IGP I
Dec 8 UBC Health EBPI exam	IGP I
Jan 5 UBC Health MH and PH	DPH: 7,8,9
Jan 12 UBC Health Substance use and HC	IGP I
Jan 19 UBC Health Gender diversity	IGP I
Jan 26 UBC Health Dental ethics I - Intro	DPH: 10,11
Feb 2 UBC Health Dental ethics II - Autonomy and IC	IGP I
Feb 9 UBC Health Dental ethics III - The ethical professional	IGP I
Feb 16 UBC Health Dental ethics IV - Chapter	IGP I
Feb 23 UBC Health Dental ethics V - SP	IGP I
Mar 2 UBC Health Dental ethics VI - SP	IGP I
Mar 9 UBC Health R needs/break	IGP I
Mar 16 UBC Health Dental ethics VII - Confidentiality	IGP I
Mar 23 UBC Health Dental ethics VIII - Covid	DPH: 12 (DPH will cover pandemics/outbreaks and some of the ethics behind)
Mar 30 UBC Health SR and SJ	IGP I
Apr 6 UBC Health Unscheduled time	IGP I
Apr 13 UBC Health Unscheduled time	IGP I
Apr 20 UBC Health SDH and Indigenous Health	DPH: 13,14,15,16,17,18,19
Apr 27 UBC Health Reviews for the sites	IGP I
Apr 28 UBC Health Community site visits	IGP I
Apr 29 UBC Health Community site visits	IGP I
<b>YEAR 2 - DENT 420</b>	
May 4 UBC Health Ethics, diversity and culture awareness	DPH: 1
May 11 UBC Health Wrap up (30 min?)	FMS II
Sep 9 UBC Health Intro and SCD	DPH: 2
Sep 14 UBC Health EBPI	FMS II
Sep 21 UBC Health EBPI	FMS II
Sep 28 UBC Health I-Ethics Q2 EDMaking - 2 hours	PEP II / IGP II
Oct 1 UBC Health I-Ethics Q3 Interprof. EDMaking	FMS II
Oct 5 UBC Health IPE ICS Q2- 2 hours	PEP II / IGP II
Oct 8 UBC Health IPE ICS Q3 and Health informatics 3 hours	DPH: 2,3
Oct 12 UBC Health EBPI IV	FMS II
Oct 15 UBC Health IPE ICS Q4	DPH: 4
Oct 19 UBC Health Comm skills I - Manage R	IGP II
Oct 22 UBC Health IPE - Collaborative DM	PEP II / IGP II
Oct 26 UBC Health Comm skills II - TF	IGP II
Oct 29 UBC Health Unscheduled (2-3PM)	DPH: 5
Nov 2 UBC Health Comm skills III - MI	IGP II
Nov 9 UBC Health Self-study?	IGP II
Nov 16 UBC Health Comm skills/EBPI exam	IGP II / FMS II
Nov 23 UBC Health Ethics - scenarios	DPH: 7,8
Nov 30 UBC Health Ethics - wrap up	IGP II (remove these ethics given that PM II discusses ethics with the college)
Dec 2 UBC Health Unscheduled time (2:30-3PM)	DPH: 9
<b>YEAR 4 - DENT 440</b>	
Sep 1 UBC Health Intro to Portland and BC Children	DPH: 1
Sep 3 UBC Health ??	DPH: 2
Sep 9, 13, 16, 20, 23, 27, 30 / Oct 4, 7, 14, 18, 21, 25, 28 / Nov 1, 4, 8, 15, 18, 22, 25, 29	DPH: 3
Dec 2, 5, 9 / Jan 6, 10, 13, 17, 20, 24, 27, 31 / Feb 3, 7, 10, 14 / Mar 7, 10, 14, 17, 21, 24, 28, 31 / Apr 4, 7, 11, 14, 25 PM II	DPH: 3
Apr 28 or 29 UBC Health Unscheduled time (8-9AM)	DPH: 4



## The proposed curricula:

- Dental Public Health I (year 1): to be finalized during Summer of 2023 with 20 sessions, 2.5hrs each;
  - Dental Public Health II, year 2: to be developed during this project with 6 sessions, 2.5hrs each.
- Thus far:** we hired two graduate students to help with the development and refinement of the proposed sessions informed by existing sessions and the evidence-based literature. These sessions are for DPH I, in year 1 of the DMD curricula and will be introduced in January 2024.
- Low-hanging fruit:** recent curricular changes on the current 2022-23 year 4 of the DMD curricula allowed us to introduce and pilot 6 DPH sessions within the Practice Management II course (senior - clinical year); 1 hr each session. These 6 sessions will be re-evaluated in May 2023 and refined to a year 1 level (junior - non clinical year) (Figure 2) as part of the DPH I.

## The proposed idea, in a nutshell:

- Didactic content sets the stage for the learning.
- The proposed curricula takes students to more than 30 different community organizations for collaborative and integrated hands-on learning; small groups are preferred ➡ we are working with the Director of Community Engagement for the Faculty.
- The small groups perform situation analyses and SWOT (strengths, weaknesses, opportunities and threats) analyses to address an issue raised by the community; they present to the community.
- Each student reflect in written about specific sessions, including community activities.
- The proposed curricula brings the community to the classroom to engage with students and discuss issues of substance use, gender diversity, harm reduction, for example..
- Introduce DPH content - 6 sessions - within an existing year 4 course called Practice management II ➡ these sessions will now be refined and moved to year 1 of the DPH curricula.

## Initial outcomes:

- The 6 piloted DPH sessions in year 4 will be refined to a year 1 level.
- Community partners are being confirmed.
- The entire DPH year 1 curriculum with 20 sessions will be developed over the Summer of 2023.

## Future directions:

- Implement the proposed DPH I in January 2024;
- Re-evaluate the piloted DPH sessions in PM II;
- Introduce DPH II in September 2024;
- Ongoing consultation with the community partners;
- The bigger picture: what is the impact of teaching DPH to the practice of dentistry and dental hygiene?

## Acknowledgements:

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