



Graduate Certificate in Global Surgical Care (GCGSC)



THE UNIVERSITY OF BRITISH COLUMBIA

Branch for Global Surgical Care

Department of Surgery | Faculty of Medicine



ABOUT THE PROGRAM

Advancing surgical care globally

The Graduate Certificate in Global Surgical Care (GCGSC) is a 12-credit certificate program offered by the Branch for International Surgical Care (BISC) at the UBC Faculty of Medicine. Designed to meet the growing need for professional development in global surgical care, this program is available to surgeons and allied health professionals with all levels of expertise in surgical care, from high and low-resource regions.

Students will immerse in an interdisciplinary learning community with online learners around the world. Upon completion of the program, students will be prepared to provide leadership and advocacy in global surgical care.



PROGRAM DETAILS

- 12-credit graduate certificate
- Full-time (1 year) or part-time (up to 5 years) options
- Offered fully online

The Graduate Certificate in Global Surgical Care (GCGSC) can ladder into the [Master of Global Surgical Care \(MGSC\)](#). Details about this process can be found in UBC's transfer credit policy, outlined by the [Faculty of Graduate and Postdoctoral Studies](#).

PROGRAM REQUIREMENTS

- SURG 510 - Surgical Care in International Health (3)
- SURG 512 - Global Disability: A Surgical Care Mandate (3)
- SURG 514 - Surgical Care in Humanitarian Disaster Response (3)
- SURG 516 - Program Planning and Evaluation in Surgical Care Low Resource Settings (3)

ADMISSIONS: BGSC accepts applications for entry into the GCGSC program every September. For details on how to apply, please visit globalsurgery.med.ubc.ca/education/apply

QUESTIONS? Any questions or inquiries can be directed to global.surgery@ubc.ca



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INSTRUCTORS



Sam Bugis
MD, FRCSC



Phyllis Kisa
MBChB, FCS ECSA,
MMed (Surgery)



Jana MacLeod
MD, MSc, FRCS(C),
FACS, FRC(ECSA)

Surgical Care in International Health

SURG 510 | 3 credits

This graduate course provides an essential introduction to the body of academic knowledge, experience and discussion of the global burden of surgical disease.

Topics covered over the semester include the discipline of international surgery within international health; the global burden of surgical disease and disability; trauma: a global pandemic; global maternal mortality; the spectrum of international surgery involvement; principles of development for international surgery; surgical-care education in global low-resource settings; ethical issues in international surgery and the role of surgical-care professionals as advocates in international health.

COURSE OBJECTIVES

Upon completion of the course, learners will be able to

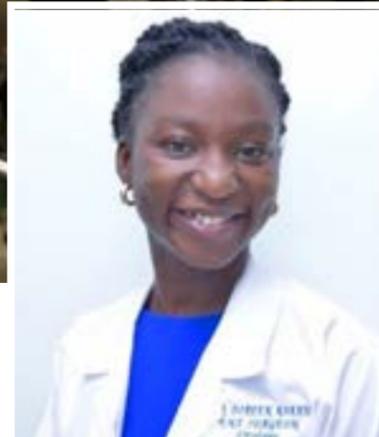
- Summarize the global status of unmet surgical need.
- Describe the ethical issues, the role of advocacy, and the models of surgical care education in international surgery.
- Explain the need for injury prevention strategies and global maternal mortality and morbidity solutions.
- State the spectrum of involvement in international surgical activities including volunteerism.
- Discuss the principles of development in international surgery



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INSTRUCTORS



Doreen Nakku
MD



Norgrove Penny
CM, MD, FRCSC,
FCS(ECSA)



Dan Poenaru
MD, PhD, MHPE, FRCSC,
FACS, FCS(ECSA)

Global Disability: A Surgical Care Mandate

SURG 512 | 3 credits

This online graduate course will explore the relationship of surgical care to preventing and treating disabling impairments in countries and settings of constrained surgical resources. Students will address the fact that globally one billion people live with a disability, of whom 80% live in resource-limited settings, many suffering unnecessary disabling impairment because of lack of access to safe and competent surgical care. Discussions focus on the causation and epidemiology of the burden of disabling disease, measurement of the problem, analysis of global initiatives to address the burden, and proposals for a research agenda.

Annually, millions of surgeries are accomplished around the world in a variety of circumstances. Specific impairments will be explored, including sensory impairments (blindness and deafness) and physical impairment, within the context of cross-cutting themes such as the human resource disparity and infrastructure gap. This course will build on the overview of international surgery issues covered in SURG 510- Surgical Care in International Health, but is designed as a stand-alone course, and thus a review of concepts will be provided as needed.



COURSE OBJECTIVES

Upon completion of the course, learners will be able to

- Summarize the global status of impairment and disability due to unmet surgical need
- Discuss international conventions and policy documents of the United Nations and World Health Organization with reference to surgical implications in health and disability
- Outline the spectrum of involvement of surgical activities in preventing and treating disabling impairments
- Explain the need for workforce capacity building and infrastructure enhancement to meet the need
- Discuss proven strategies in overcoming the barriers to effective surgical care of disabling conditions
- Elaborate on some of the ethical controversies and dilemmas in meeting a service need in the context of limited available resources

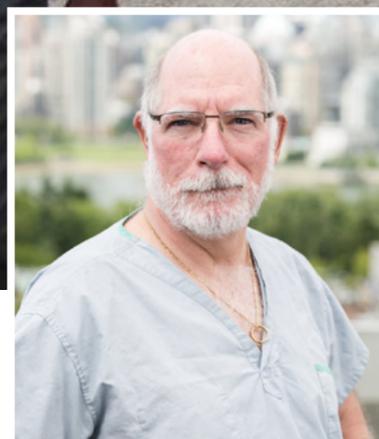


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INSTRUCTORS



Ross Brown
OMM, CD, MA, MD,
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Surgical Care in Humanitarian Disaster Response

SURG 514 | 3 credits

Major disasters have been part of the human landscape since the dawn of history. To a greater or lesser degree, these have evoked a humanitarian response to help from survivors and from nearby witnesses. Over the past century, with increasing communication and travel and with the formation of international health organizations, response to disasters has increased in magnitude and in the number of actors. Although this increased response is positive in many aspects, it also creates a complex set of challenges related to coordination and standardization.

In this course, students will examine the current status of global activity by national and international responders to both natural and conflict-related humanitarian disasters with particular emphasis on the role of surgical care. Students will also address strategies to move from relief to recovery, and case models of surgical care responses in humanitarian disasters.

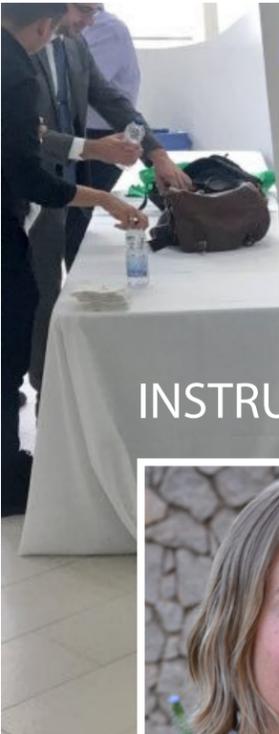
COURSE OBJECTIVES

Upon completion of the course, learners will be able to

- Understand the complexity of the global burden and trends of humanitarian disasters
- Understand the various phases of a humanitarian disaster and unique population needs and response tools at each stage
- Describe and critique select responses to humanitarian disaster
- Outline the essentials and enablers for adequate surgical care in any disaster response
- Prepare to deploy in disaster response operations at both professional and personal levels



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INSTRUCTORS



Laura May Lee
MSc, PhD



Shafique Pirani
MBBS, FRCS

Program Planning and Evaluation in Surgical Care Low Resource Settings

SURG 516 | 3 credits

This course is an introductory, graduate-level course in program planning and evaluation in the surgical care context. The course will present theories, frameworks and approaches and will encourage critical reflection and application through online discussions and assignments. Students will learn the facets of program planning and evaluating public health programs, including community assessment, stakeholder involvement, program planning models, and logic models, community engagement, evaluation approaches and theories, quantitative and qualitative data collection and analysis strategies, evaluation design, implementation and reporting. Students will critically assess existing programs and will be challenged to reflect on ethical issues in program planning, implementation and evaluation, including their own social positioning relative to others and the implications that this has on surgical care practice in local and global contexts.



COURSE OBJECTIVES

Upon completion of the course, learners will be able to

- Explain the basic elements of program planning and evaluation in surgical care and illustrate the linkages between health program planning, implementation, monitoring and evaluation.
- Formulate an assessment plan for a particular population in a local or global context.
- Understand the importance of community engagement and the role of stakeholder involvement in program planning and evaluation.
- Demonstrate competence in developing program logic models and understand the linkages between the logic model components parts.
- Distinguish different types of evaluations and justify when to use certain approaches for evaluating surgical care programs.
- Become familiar with the professional evaluation standards, ethical guidelines for evaluation, and general ethical considerations in surgical care planning and evaluation.
- Critically assess the effectiveness, appropriateness and feasibility of surgical programs for specific local contexts and how this may be assessed through a formal evaluation process.



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