

# **GLOBAL SURGERY FOUNDATIONS Short Course**

**Course Code: CHM1001CE**



**Global Surgery Division  
Department of Surgery  
Faculty of Health Sciences  
University of Cape Town**

**31 July - 02 August 2024**



## Global Surgery Foundations Short Course

### Background

Global surgery is a relatively new and exciting interdisciplinary field of enquiry, research, practice, and advocacy that aims to improve health outcomes and achieve health equity for all people who need surgical, obstetric and anaesthesia care, with a special emphasis on underserved, marginalized populations and those in crisis. As an emerging field responding to a major unmet need in population health, there is an evolving demand for formal teaching, training and learning in global surgery at the undergraduate, graduate and clinical training levels, worldwide. UCT's Global Surgery Division was founded in 2019, and has been at the forefront of international and national Global Surgery dialogues, education, research and initiatives, creating an ideal opportunity to engage and familiarise students with global surgery concepts.

### Aim

To give students foundational knowledge about the unmet need for surgical healthcare globally, so that students can understand a surgical systems strengthening approach to address access to surgical care challenges.

### Certification

Certificate in Global Surgery Foundations: minimum attendance – 80%  
CPD Certificate for attendance – 18 points

### Cost

R5000,00 per delegate

### Venue

UCT Graduate Business School Conference Centre

### Course Objectives:

1. To introduce foundational global surgery principles and the concept of strengthening surgical systems through a systems thinking approach.
2. To introduce key global surgery challenges in the surgical pathway.
3. To introduce skills and approaches for Global Surgery interventions community engagement, implementation and quality improvement.

### Course Learning Outcomes

1. Students will understand the concept and foundational principles in global surgery
2. Students will be exposed to different tools to develop an approach for global surgery interventions

3. Students will learn about key stakeholders in global surgery, such as governments and communities, and how to engage with them.

## **Academic staff**

### **Course conveners**

#### **Dr Lebo Moloji**

*General Surgeon, with a special interest in acute-care at UCT and Groote Schuur Hospital.*

#### **Barbara Green-Thompson**

*Professional Nurse and Researcher in the Global Surgery Division.*

### **Programme Co-ordinator**

Ms Amy Louw

*Administrative assistant, Global Surgery Division*

### **Academic Staff**

#### **Prof Salome Maswime**

*Head of the Global Surgery Division at the University of Cape Town; an Obstetrician and Gynaecologist. Director of the Global Surgery Education programme.*

#### **A/Prof Tracey Naledi,**

*Deputy Dean Health System Services, and Public Health Specialist*

#### **Dr Charmaine Cunningham**

*Emergency Medicine Lecturer, and Convener of the Executive Leadership in Global Surgery course*

#### **Prof Sithombo Maqungo**

*Orthopaedic surgeon, and Injury Prevention lead in the Global Surgery Division*

#### **Dr Ravi Oodit**

*General Surgeon, and Perioperative lead in the Global Surgery Division*

#### **Dr Shrikant Peters**

*Theatre manager and Public Health Specialist*

#### **Jo Park-Ross**

*Lecturer of Simulation Education and Convener of the MPH Fundamentals in Global Surgery Course*

#### **A/Prof Jackie Stewart**

*Psychologist and Director of Global Surgery Advocacy. Executive Director of Shawco.*

### **Contact details**

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**Global Surgery Foundations Course**  
**Dates: 31 July - 02 August 2024**

**Timetable**

<b>Time</b>	<b>Activity</b>	<b>Lecturer</b>
<b>Day 1: 31 July</b>		
<b>Theme: Global Surgery and Systems</b>		
08:00 - 09:00	Registration	
08:30 - 09:00	Introduction to the course	Dr Lebo Moloji and Mrs Barbara Green Thompson
09:00 - 10:30	Session 1: Introduction to Global surgery	Prof Salome Maswime
10:30 - 11:00	Tea	
11:00 - 13:00	Session 2: Introduction to Surgical Systems and Global Health Governance	A/Prof Tracey Naledi
13:00 - 14:00	Lunch	
14:00 - 15:00	Session 3: The Surgical Ecosystem	Dr Lebo Moloji
15:00 - 15:15	Tea	
15:15 - 16:45	Session 4: The Surgical Pathway	Dr Lebo Moloji/Prof Salome Maswime

<b>Day 2: 01 August</b>		
08:00 - 08:30	Arrival	
08:30 - 09:30	Session 5: Preventing injuries and trauma	A/Prof Sithombo Maqungo
09:30 - 10:30	Session 6: Perioperative Care	Dr Ravi Oodit
10:30 - 11:00	Tea	
11:00 - 12:00	Session 7: Post-surgical Care and Discharge Planning	Barbara Green-Thompson
12:00 - 13:00	Session 8: Primary Surgical Care and Community Engagement	A/Prof Jackie Stewart
13:00 - 14:00	Lunch	

14:00 - 15:00	Session 9: Introduction to Systems Thinking	Dr Charmaine Cunningham
15:00 - 15:30	Tea	
15:30 - 17:00	Session 10: Personal Surgical Systems Topic from systems thinking perspective	Groups

<b>Day 3: 02 August</b>		
08:00 - 09:00	Arrival	
09:00 - 10:00	Session 10: Models of quality improvement and capacity building	Dr Lebo Moloji
10:00 - 11:00	Session 11: Theatre management and leadership	Dr Shrikant Peters
11:00 - 11:30	Tea	
11:30 - 13:00	Session 12: Global Surgery in Action	Individual Presentations
13:00 - 14:00	Lunch	
14:00 - 15:00	Session 13: Policy and Governance	Mary Kinney
15:00 - 16:00	Programme Evaluation and Closing Ceremony	Dr Lebo Moloji and Barbara Green-Thompson

## Lecture Objectives

### Day 1

<b>Lecture</b>	<b>Objectives</b>
Session 1: An Introduction to Global Surgery	<ol style="list-style-type: none"> <li>1. Describe the definition of Global Surgery</li> <li>2. Discuss the history of Global Surgery</li> <li>3. Describe and discuss the Global Surgery Lancet Commission</li> <li>4. Describe and discuss the African Surgical Outcomes Study</li> </ol>
Session 2: Introduction to Surgical Systems and Global Health Governance	<ol style="list-style-type: none"> <li>1. What is health policy</li> <li>2. Tiers of government</li> <li>3. How are governments organised?</li> <li>4. Geopolitics</li> <li>5. Social accountability</li> </ol>

Session 3: The Surgical Ecosystem	<ol style="list-style-type: none"> <li>1. Components of a functional Surgical Ecosystem</li> <li>2. Sub-systems for providing surgical services</li> <li>3. Integrated ecosystems – emergency, critical and operative systems</li> </ol>
Session 4: The Surgical Pathway	<ol style="list-style-type: none"> <li>1.</li> </ol>

## **Day 2**

Session 5: Preventing Injuries and trauma	<ol style="list-style-type: none"> <li>1. Burden of trauma and injuries</li> <li>2. Measures for injury prevention</li> </ol>
Session 6: Perioperative care	<ol style="list-style-type: none"> <li>1. Perioperative care</li> <li>2. Enhanced recovery after surgery</li> </ol>
Session 7: Post-surgical Care and Discharge Planning	<ol style="list-style-type: none"> <li>1. The Continuum of care post-surgery</li> <li>2. Intentional symptom management, rehabilitation and recovery</li> </ol>
Session 8: Primary Surgical Care and Community Engagement	<ol style="list-style-type: none"> <li>1. Communities as key stakeholders in surgical ecosystem</li> <li>2. Collaborative Community Engagement primary surgical care</li> </ol>
Session 9: Introduction to Systems Thinking	<ol style="list-style-type: none"> <li>1. Focus on surgical area for quality improvement</li> </ol>

## **Day 3**

Session 10: Models of Improvement	<ol style="list-style-type: none"> <li>1. Quality improvement</li> <li>2. Improvement models</li> </ol>
Session 11: Theatre Management and Leadership	<ol style="list-style-type: none"> <li>1. Human resource management</li> <li>2. Prioritising of surgical cases</li> <li>3. Surgical recovery</li> <li>4. Organisational culture</li> <li>5. Leading surgical teams</li> </ol>
Session 12: Global Surgery in Action	<ol style="list-style-type: none"> <li>1. Demonstrate how to apply Global Surgery principles in every day practice</li> <li>2. Reflections on what was learnt during the course</li> </ol>
Session 13: Policy and Governance	<ol style="list-style-type: none"> <li>1.</li> </ol>

## Recommended pre-course reading

1. John G Meara, Andrew J M Leather, Lars Hagander, Blake C Alkire, Nivaldo Alonso, Emmanuel A Ameh, Stephen W Bickler, et al. (2015) Global Surgery 2030: evidence and solutions for achieving health, welfare, and economic development.
2. Farmer P, Kim J. Surgery and global health: a view from the OR. *World J Surgery* 2008;32:533-536  
[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2267857/pdf/268\\_2008\\_Article\\_9525.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2267857/pdf/268_2008_Article_9525.pdf)
3. David Bishop, Robert A Dyer, Salome Maswime, Reitze N Rodseth, Dominique van Dyk, Hyla-Louise Kluyts, et al. (2019) Maternal and neonatal outcomes after caesarean delivery in the African Surgical Outcomes Study: a 7-day prospective observational cohort study.
4. Bruce M Biccard, Thandinkosi E Madiba, Hyla-Louise Kluyts, Dolly M Munlemvo, Farai D Madzimbamuto, Apollo Basenero, et al. (2018) Perioperative patient outcomes in the African Surgical Outcomes Study: a 7-day prospective observational cohort study.
5. The NSOAP manual <https://www.globalsurgeryfoundation.org/events/recording-nsoap-launch>
6. Spiegel, D.A., Misra, M., Bendix, P. et al. Surgical Care and Health Systems. *World J Surg* 39, 2132–2139 (2015). <https://doi.org/10.1007/s00268-014-2928-x>

## Notes





