



**EMPOWER**

SCHOOL OF HEALTH

Geneva, Switzerland



**unitar**

United Nations Institute for Training and Research

# Master of Science in Global Health Procurement and Supply Chain Management (Online Course)



USD 5,500  
(exclusive of  
taxes and bank  
charges)

12 Months  
25 Hours/Week



**Enroll Now!**

Pharmacists, doctors, scientists, engineers and management professionals, prepare yourself for an international career with:

Ministries of Health, International NGOs, UN agencies and International Donors

Empowering millions through digital learning!

# Benefits

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- Career growth and new opportunities in Ministries of Health, UN agencies, donors' programmes and international NGOs
- Potential for internships and consulting opportunities through Empower's extensive partner network
- Exclusive access to Empower's 10,000+ strong alumni
- Mentorship during the course and on-the-job technical assistance by Empower faculty
- Use of cutting-edge e-learning technologies and instructional design to make learning easy and impactful
- A practical and applied approach with the extensive use of exercises and global case studies

## Course requirements

The course is for aspirants who would like to prepare for the world of procurement and supply chain of healthcare products and learn to manage PSM challenges in healthcare systems. Specifically, the course is designed for pharmacists, doctors, scientists, engineers and management professionals, and any graduate or professional who is interested in becoming a supply chain/logistics professional.

## Eligibility for joining the course

- To have completed the Post Graduate Diploma course in Global Health Procurement and Supply Chain Management from Empower School of Health.
- To have completed, at minimum a bachelor's degree in any discipline.
- To have a prior work experience (preferably, though not necessary).
- To be able to communicate confidently in English language (written and verbal).

## Technical Assistance

Enrolled students will receive on-the-job technical assistance through our remote digital network and platform. This will include academic support and technical support from Empower's global mentors.

## Consultancy and Placement Support

Empower supports its alumni with internships, consultancies and new job openings through its network. Our alumni work with UN agencies and Ministries of Health on supply chain projects, including strategy, policy, assessment, data analysis, LMIS projects, market research and more.

# Master of Science in Global Health Procurement and Supply Chain Management (12-Month Programme)

The one-year Master of Science programme is offered to students who have completed the Post Graduate Diploma in Global Health Procurement and Supply Chain Management from Empower School of Health.

## Overview of Course Topics

Sequence	Module Name	Overview
1	Effective Responses of The Public Health Procurement and Supply Chain to The COVID Pandemic and Future Proofing Supply Systems	This module will help you understand the major impacts that the Covid pandemic has produced in public health supply chains in low- and middle-income countries; the very real changes that it has forced on their operations; and the massive reforms and developments that need to take place if countries are to be much better prepared and responsive for future pandemic, disaster and emergency situations.
2	Emergency, Pandemic and Humanitarian Public Health Procurement and Supply Chain Management	This module assists countries in formulating and developing the PSM inputs and planning required to contribute to a national health commodity emergency and pandemic planning.
3	Procurement and Supply Chain Management for Medical Devices, Diagnostics and Equipment (MDDE)	This module informs participants on the special requirements of medical diagnostics and devices by comparing and emphasizing the key differences between the requirements of the clinical diagnostics/laboratory supply chain and the pharmaceuticals and health commodities supply chain.
4	Introducing New Health Technologies into Public Health Supply Chains	This module provides a foundational understanding of how to identify and address the specific factors that limit access and delivery. It also explains how to ensure that appropriate systems are in place and functioning properly to support the affordability, quality, safety, and appropriateness of new health technologies.
5	Managing Product Quality Assurance in Public Sector Procurement and Supply Chains	The course is introduced and presented with the concept of understanding the management and budgeting of the QA process and connects it with the necessary resource requirements, human, financial and capital (equipment). The course follows WHO guidelines for commodity QA activities and references all the prime WHO documents. These guidelines can be applied to the QA policies of International agencies, including the Global Fund, World Bank, UN agencies, and other donors.
6	Risk Management in Public Health Procurement and Supply Chains	This module provides participants with an understanding of using a risk management approach, the categorization of the key risk factors and how they can be mitigated.
7	Financial Evaluation of Investments in Public Health Supply Chain	This module focuses on the significance of investment in public health supply chains and the evaluation of finances for their proper utilization. It emphasizes the application of practical thought processes to real-life projects. This module is developed in partnership with the Global Fund.
8	Master's Thesis	The final thesis provides an opportunity for professionals to apply all the concepts learned over the past modules in a single project. It would be based on the problems identified in the professional's home country and the professionals applying practical solutions to address them.

### How to apply:

Click on <https://www.empowerschoolofhealth.org/course/master/msc-global-health-pscm-12month>  
Click on the "I'm Interested" tab to start the registration process

# Master of Science in Global Health Procurement and Supply Chain Management (24-Month Programme)

Students also have the option to enrol in the 24-Month Master's programme directly.

## Overview of Course Topics:

Sequence	Module Name	Overview
1	Introduction to Procurement and Supply Chain Management	Develop an understanding of health commodities and all the steps in a typical PSM cycle in global health. The concept of essential medicines will also be explored.
2	Public Health Commodities	In this module, students will develop a basic understanding of health commodities, review how products on the national treatment guidelines are arrived at, including the process, persons involved, key strengths and gaps. A detailed understanding of the essential medicines concept will be explored.
3	Quantification and Supply Planning	Explore the science behind the methods, tools, and key processes used to estimate your country's needs for health commodities. This module covers the consumption method, morbidity method, and proxy consumption method, and explains how each is applied across different product categories and contexts.
4	Global Health Procurement	Learn about the factors that influence prices, the different procurement methods, good pharmaceutical procurement, methodologies used in supplier selection, financial sustainability in procurement, and procurement assessment.
5	Inventory Management	Understand the key role that Inventory Management plays in ensuring a robust supply chain. This module covers the concepts of stock records and standard reports, selection of items to be held in stock, inventory control models and reorder frequency, standard inventory calculations, and advanced models of inventory management.
6	Storage & Distribution	Gain knowledge on WHO's Good Storage and Distribution Practices, warehouses processes, transportation systems, and techniques on maintaining a cold chain with a special focus on the design of country distribution systems, effectiveness of the system, and level of responsiveness.
7	Rational Use of Medicines	This module helps students understand the main types of irrational medicine use and their impact on public health. It also introduces the major strategies used to improve rational medicine use and highlights the need for a multi-strategy approach.
8	PSM Support Functions & Systems	Develop a strong understanding of the fundamentals of Organisational Management and Project Management. This module discusses different aspects of project management, including the relationship between key project elements such as time, cost, scope, and resources, within a public health context.

Sequence	Module Name	Overview
9	PSM Plan Assignment	In this assignment, students need to apply what they have learned in year 1 of the master's course. It is an opportunity to apply a real-world example that is directly relevant to them based on the topics assigned.
10	Effective Responses of The Public Health Procurement and Supply Chain to The COVID Pandemic and Future Proofing Supply Systems	This module will help you understand the major impacts that the Covid pandemic has produced in public health supply chains in low- and middle-income countries; the very real changes that it has forced on their operations; and the massive reforms and developments that need to take place if countries are to be much better prepared and responsive for future pandemic, disaster and emergency situations.
11	Emergency, Pandemic and Humanitarian Public Health Procurement and Supply Chain Management	This module assists countries in formulating and developing the PSM inputs and planning required to contribute to a national health commodity emergency and pandemic planning.
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15	Risk Management in Public Health Procurement and Supply Chains	This module provides participants with an understanding of using a risk management approach, the categorization of the key risk factors and how they can be mitigated.
16	Financial Evaluation of Investments in Public Health Supply Chain	This module focuses on the significance of investment in public health supply chains and the evaluation of finances for their proper utilization. It emphasizes the application of practical thought processes to real-life projects. This module is developed in partnership with the Global Fund.
17	Leadership in Global Health	This module focuses on leadership, its traits, its fundamentals and the differences between administration, management and leadership in supply chain management. It guides you to identify your own leader profile, develop a personal action plan and understand the right way to manage change.

Sequence	Module Name	Overview
18	Master's Thesis	The final thesis provides an opportunity for professionals to apply all the concepts learned over the past modules in a single project. It would be based on the problems identified in the professional's home country and the professionals applying practical solutions to address them.

## Key Advisors and Faculty Members



### Prof. Paul Lalvani

Founder and Executive Director, Empower School of Health; Former Head of Global Fund's Department of Procurement & Supply Chain Management; Former Co-chair, Procurement & Supply Chain Management-Working Group, Roll Back Malaria Partnership, Geneva; Advisor to various UN agencies & MoH. His area of expertise includes public health, advocacy, business development, capacity building, strategic planning, policy development, national and international partnerships.

### Mr. Alex Mejía

Mr. Mejía is the Director of UNITAR's Division for People and Social Development. His career spans two decades in private and public organizations, serving as the Counsellor at the Ecuadorian Embassy in Bogotá, Colombia, as the Vice Minister of Economy for the Republic of Ecuador, as the Alternate Governor to the International Monetary Fund, to the World Bank, and to the Inter-American Development Bank, and as a member of the Board of Directors of Ecuador's Central Bank.



### Prof. Denis Broun, M.D.

Chief Executive Officer, Centa Biotech SL, Spain, and Adjunct Faculty & Pharmaceutical and Supply Chain Expert, Empower School of Health, has more than 30 years of experience. He was the former Executive Director of UNITAID, former Regional Director of UNAIDS, and former Director for WHO.

### Dr. Florence Duperval Guillaume, Ph.D.

She served as Haiti's Minister of Health from 2011 to 2016 and currently serves as a Senior Advisor to Empower School of Health, Geneva, where she is also a distinguished alumna. She has 32 years of experience as a physician with outstanding contributions in public health for the past 28 years. She is a public health practitioner with extensive experience in service organization, health governance, leadership and management focusing on performance-based approach for which Haiti is recognised worldwide as one of the pioneers.



### Director Frank Biayi (Alumnus of Empower School of Health)

Director of the National Drug Supply Programme, Democratic Republic of Congo. He has more than 25 years of experience as Pharmaceutical Advisor in cabinets of Ministers. He has been Honorary Director of the Traditional Medicine Programme, Honorary Director of the Directorate of Pharmacy and Medicines, Honorary Deputy Director of the Essential Drugs Programme, National and International Consultant of WHO, UNFPA, World Bank, Enable, Save the Children.

## Key Advisors and Faculty Members

### **Dr. Santiago Kraiselburd, Ph.D.**

He is the Director of Clinical Research Entrepreneurship, TecSalud del Tecnológico de Monterrey, Mexico and Adjunct Faculty, Empower School of Health. He holds a Ph.D. in Supply Chain Management from Harvard Business School. He is also an Associate Professor and the Research Director at INCAE Business School. He is also an Adjunct Professor at the Universidad Torcuato Di Tella (Argentina), and teaches at the Zaragoza Logistics Center (Spain), both in the Massachusetts Institute of Technology (MIT) International Logistics Programme and at the Spanish Master's programme.



### **Dr. Bonface Fundafunda, Ph.D.**

Dr. Fundafunda is the Co-CEO and Government Engagement Director at Africa Resource Centre, Africa and an adjunct faculty at the Empower School of Health. He is an experienced executive, with extensive public sector experience in health product supply chain policies, strategies, planning, financing, operations and management. He is a trusted advisor for international donor agencies and governments.

### **Prof. Henri Fourcault**

Henri Fourcault is the Director of Empower's Centre for Leadership Development Geneva, Empower School of Health. He is a former Senior Management Advisor of the Executive Secretary of UNECA in Addis Ababa, Senior Management Officer at the Office of Internal Oversight Services of UNHQ in New York, and Change Manager to the UN High Commissioner for Human Rights in Geneva.



### **Prof. Bernadette Nirmal Kumar**

Senior Advisor of Empower School of Health, PhD, Co- Chair Lancet Migration, and Director of the Norwegian National Center for Migration and Minority Health; Associate Professor - Global Health, Institute for Health and Society, University of Oslo; Former Senior Advisor to the Royal Norwegian Embassy for the Prime Minister's - Norway India Partnership.

### **Mr. Nicolas Tavagnutti**

A globally recognised expert in Pharmaceutical Supply Management (PSM), currently based in Thailand. He also serves as an Adjunct Faculty member at the Empower School of Health, Geneva, where he contributes his extensive industry knowledge to advancing global health education.



### **Dr. Harpreet Kaur, Ph.D.**

A trained Anthropologist with a Ph.D. in Demography and Bio-Chemical Genetics from the University of Delhi. With several years of experience in digital health research, she has contributed to key areas such as Maternal Child Health, Non-Communicable Diseases (NCDs), Sustainable Development Goals (SDGs), and Digital Health interventions. She is an associate professor at Empower and specialises in curriculum development, content creation, and capacity-building.

## Alumni Speak



“I thank you for this course and giving this opportunity for improving my knowledge; It has been an honor to be a part of Empower School of Health.”

**Florence D. Guillaume,**  
**Former Minister of Health, Haiti & Senior Advisor,**  
**Empower School of Health, Geneva**



“This course has made me gain a deeper understanding of the real issues that affect procurement and supply chain. This is a must do course for someone who wants to pursue a career in PSCM!”

**David Munemo,**  
**Ministry of Health & Child Care (Zimbabwe)**



“The necessary skills acquired at Empower School of Health will go a long way in helping my department & country as a whole.”

**Iakuna Moide,**  
**CHAI (Papua New Guinea)**



“I would like to start by thanking you Empower for being supportive along the way and always encouraging. I am very grateful to my organization Chemonics for this opportunity to me and colleagues.”

**Ruth Kuria, Office Manager USAID GHSC-PSM, Chemonics International Inc (Kenya)**



“The supply chain course is a new frontier in my career. This course was incredible in terms of content and design. Especially the final case study was a new experience for me. Thank you Empower team for your kind support.”

**Md. Farhan Shahriar,**  
**Partnerships Manager, Chemonics International Inc, (Bangladesh)**



“I am thankful to Empower for giving me an opportunity to participate in the course and I feel very lucky to be taught by experienced trainers.”

**Viengsavanh Phanmanivong,**  
**GFATM PR office Ministry of Health (Lao PDR)**



“I am privileged to be with the team who has graduated and appreciate the way the course was designed. We really enjoyed the course, enjoyed doing practices, and am also grateful to my organization Chemonics- we will use this knowledge to improve the supply chain management in our area. Thank you.”

**Juvenal Majoro,**  
**Senior Advisor for Health Systems Strengthening (Rwanda)**

# About us



Empower School of Health is a global health academic research and capacity-building institute dedicated to empowering individuals, institutions, and communities. With a diverse team of health professionals, designers, and technology experts, Empower School of Health has delivered impactful global health courses to learners from more than 40 countries and 250+ organizations, working alongside UN agencies, Ministries of Health, public health organizations, international NGOs, and donor agencies.

Established in 1965 by a UN resolution, the United Nations Institute for Training and Research (UNITAR) is an autonomous body dedicated to enhancing the effectiveness of the United Nations through training and research. As a key partner of Empower School of Health, UNITAR strengthens the learners' experience by providing a structured virtual internship that enables the application of knowledge in real-world institutional settings. The partnership with UNITAR also prioritises accessibility, offering scholarships with a focus on women and professionals from government and civil society organisations in low- and middle-income countries.



Empower is accredited by the Accreditation Service for International Schools, Colleges and Universities (ASIC). The Institution has earned Premier status with ASIC for its commendable areas of operation. ASIC is recognised by UKVI in the UK, is a member of the Council for Higher Education Accreditation (CHEA) International Quality Group (CIQG) in USA and is listed in their International Directory, is a member of the BQF (British Quality Foundation) and is an institutional member of EDEN (European Distance and E-Learning Network).



Institutional Certification

FIBAA is recognised by Germany's Accreditation Council and Switzerland's HEaA (The Higher Education Funding and Coordination Act), the European Quality Assurance Register (EQAR) and the European Association for Quality Assurance in Higher Education (ENQA). Empower Swiss, SARL (Empower School of Health) is awarded the FIBAA quality seal for Excellence in Digital Education.

# Partners, Clients and Funders

Government Bodies	UN Agencies	Donor Agencies	Academia	NGOs and Implementing Organizations	Professional Associations

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**Enroll Now!**