



Texas Children's Hospital Global HOPE Learning Academy

OPEN COURSE Directory

Welcome to the Learning Academy Open Courses, part of Global Hematology and Oncology Pediatric Excellence (HOPE) at Texas Children's Hospital in Houston, Texas. Global HOPE provides care to children with cancer and hematology disorders in Sub-Saharan Africa.

The Global HOPE Learning Academy Open Courses is focused on education opportunities for professionals caring for children with cancer and hematology disorders in Sub-Saharan Africa. The Learning Academy includes didactic courses that consist of modules that provide a series of presentations and videos discussing the didactic information. At the end of each module a quiz is completed. After successful completion of all the quizzes a certificate of course completion from Global HOPE is sent by email to the participant. This directory provides a table showing the content found in each course followed by a description of each of the courses.

DISCLAIMER

All content in this course is for educational purposes only and does not constitute medical advice. Texas Children's Hospital and the course contributors do not make any express or implied representations or warranties regarding the information contained in this course. The information is not to be used for diagnosing or treating a specific patient and is not a substitute for professional advice from a healthcare provider. There may be different practices throughout Sub-Saharan Africa and participant's institutional guidelines for nursing care should be followed.

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HOW TO REGISTER FOR AN OPEN COURSE

First Time Global HOPE Learning Academy Users

To register for a Global HOPE Learning Academy Open Course:

- Go to www.txchglobalhope.moodle.school
- Click on the course that you want to take. This will take you to the login page.
- Go to: “Is this your first time here” and create a new account.
- This will bring you to Moodle’s policies. Click next at the bottom of the page while navigating through the policies. On the consent page check agree to the Moodle policies.
- Create a username and password. Then enter requested information and click “CREATE MY NEW ACCOUNT”.
- You will receive an email with more details about your registration. Be sure to confirm your account.
- Continue to the Home page. Click on the course you want to take and click on the self-registration button.
- Once self-registered, you will receive a welcome email from the course instructor with more information about how to proceed through the course.

Previously registered in the Global HOPE Learning Academy

To register for a Global HOPE Learning Academy Open Course:

- Go to www.txchglobalhope.moodle.school
- Login with your username and password.
- On the Home page, click on the course you want to take and click on the self-registration button.
- Once self-registered, you will receive a welcome email from the course instructor with more information about how to proceed through the course.

For any technical difficulties with the course, please contact jennifer.higgins@bcm.edu.

Global HOPE Pediatric Nursing OPEN Courses

Basic Pediatric Nursing Courses	Content	Estimated Completion Time
Cornerstones of Pediatric Nursing	<ul style="list-style-type: none"> • Growth and Development • Nursing Assessment • Communication • Family-Centered Care 	6 hours
Pediatric Basic Nursing Skills	<ul style="list-style-type: none"> • Infection Control • Intravenous Line Placement and Dressing Management • Wound Care • Blood Product Administration 	6 hours
Pediatric Oncology Nursing Courses	Content	Estimated Completion Time
Introduction to Childhood Cancer Nursing	<ul style="list-style-type: none"> • Overview of Pediatric Oncology Nursing • Specific Childhood Cancer • Cancer Treatment • Side-effects of Treatment 	8 hours
Pediatric Oncology Nursing	<ul style="list-style-type: none"> • Overview of Pediatric Oncology Nursing • Specific Childhood Cancer • Cancer Treatment • Side-effects of Treatment • Supportive Care 	20 hours
Principles of Chemotherapy	<ul style="list-style-type: none"> • Principles of Chemotherapy • Specific Chemotherapy Agents • Safe handling for Preparation and Administration of Chemotherapy • Managing common-side effects 	16 hours
Advanced Courses	Content	Estimated Completion Time
Pediatric Hematology	<ul style="list-style-type: none"> • Overview of Hematology • Sickle Cell Anemia • Hemophilia • Aplastic Anemia 	6 hours
Paediatric Palliative Care	<ul style="list-style-type: none"> • Introduction to Paediatric Palliative Care • Communicating with Children and Families • Cultural, Spiritual and Bereavement Considerations • Symptom Assessment and Management • Care at the Time of Death 	16 hours
Care of the Acutely Ill Child	TBD	

Basic Pediatric Nursing Course Descriptions



CORNERSTONES OF PEDIATRIC NURSING

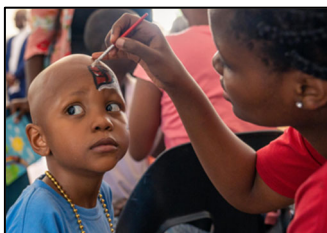
This didactic course consists of 4 modules and provides a series of presentations and videos that demonstrate the cornerstones of pediatric nursing care. The growth and development module provides an overview of these concepts and factors that influence normal growth and development. An overview of nursing assessment is found that provides detail on the Head to Toe assessment. Information on how to take vital signs, height and weight that includes normal findings for age are provided. Important skills used to communicate with children and their families is provided in detail. Emphasis is placed on effective inter-professional communication and successful hand-offs at the end of a nursing shift. Patient and family-centered care is a fundamental principle of pediatric nursing and a module on this concept is included. Each module consists of readings followed by short lectures that provide the didactic information essential for the pediatric nurse. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant.



PEDIATRIC BASIC NURSING SKILLS

This didactic course consists of 4 modules and provides a series of presentations and videos that demonstrate essential nursing skills for the nurse caring for children. Skills include discussion of infection control related to hand hygiene, intravenous line placement and care, wound management, and blood transfusion procedures. Each module consists of short videos on the topics that provide the didactic information essential for the pediatric nurse. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant. **NOTE:** this is a didactic course and will not provide you with competency check-offs for actual care of a child. Application of knowledge learned in this didactic course can prepare you for actual skills check-off within the clinical setting.

Pediatric Oncology Nursing Course Description



INTRODUCTION TO CHILDHOOD CANCER NURSING

This introductory course is designed for nurses who are interested in learning about childhood cancer but do not work in a childhood cancer treatment center. This short course teaches the basic principles of nursing care for a child with cancer and the family. During the course participants will listen to a basic overview of childhood cancer and essential components of diagnosis and treatment will be discussed. Nurses will learn how to interpret blood cell counts and identify side-effects experienced by children during cancer treatment. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant.



ESSENTIALS OF PEDIATRIC ONCOLOGY NURSING

This course is designed for nurses working in childhood cancer settings in Sub-Saharan Africa. It is developed to teach the basic principles of nursing care for a child with cancer and the family. During the course participants will be introduced to the most common types of childhood cancer in their country and essential components of diagnosis and treatment are discussed. Nurses will learn how to understand protocols and interpret blood cell counts. Side-effects experienced by children during cancer treatment will be explored and nurses will learn important interventions to prevent and manage common symptom experiences. Key strategies for excellent nursing care will be presented with opportunities for nurses to build their knowledge through critical-thinking exercises and case studies. The nursing role in supportive care will be presented. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant.



PRINCIPLES OF CHEMOTHERAPY

This didactic course is designed for health care professionals working with children with cancer in Sub-Saharan Africa. It is developed to teach the basic principles of chemotherapy. During the course participants will be introduced to the principles of chemotherapy, common chemotherapy agents used to treat childhood cancer, safe handling procedures for preparation and administration, and common side-effects related to chemotherapy. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant.

ADVANCED PEDIATRIC COURSES



PAEDIATRIC HEMATOLOGY

This hematology course is designed for healthcare providers working in Global HOPE clinics in Sub-Saharan Africa. It is developed to teach the basic principles of healthcare for a child with hematology disorders and their family. During the course participants will be introduced to three common types of childhood hematology disorders- sickle cell disease, hemophilia and aplastic anemia. The essential components of diagnosis and treatment will be discussed. Healthcare providers will assess hematology disorders, explain pathophysiology, treatment and related healthcare management. Healthcare providers will identify complications as experienced by children with hematological disorders and important interventions to prevent and manage common symptom experiences. Key strategies for specific problems will be presented with opportunities for healthcare providers to build their knowledge through case studies. The healthcare provider role in supportive care will be presented and will include essential principles of assessment and healthcare management, pain management, blood product administration, and child/family education. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant.



PAEDIATRIC PALLIATIVE CARE

This course addresses how health care providers can support children and their families who will die from complex, chronic illnesses such as cancer in Sub-Saharan Africa. Modules within this course provide the basic principles of paediatric palliative care and are designed to increase knowledge of how assessment and management of care can promote quality of life in a child who is facing death. Throughout the course, the importance of good communication is discussed as the foundation of quality palliative care for a child and family. Ethical dilemmas that arise in paediatric palliative care are presented and supported by a variety of professional codes and standards unique to Sub-Saharan Africa. Consideration of the cultural and spiritual diversity of the families experiencing the death of a child is presented to ensure that culturally and spiritually competent care is provided. Symptom assessment and management in this course includes more than a discussion on pain; the most common symptoms experienced by children with a terminal illness included. The impact of the loss of a child produces such grief for a family that bereavement can be difficult. The basic concepts of grief, loss and bereavement are explored with emphasis on the role of the health care provider in providing support. Also, a lecture on caring for the caregivers emphasizes the importance of supporting each other as health care providers caring for terminally ill children and their families. Care at the actual time of death requires special knowledge of the needs of the child and family and are explored in the course. At the end of each module a quiz is completed. After successful completion of the quizzes a certificate of course completion from Global HOPE is sent by email to the participant.