

Missionary Medicine Intensive

A village newborn is brought to you with an infected umbilical cord...

An old man shows up with a badly burnt hand...

Your three-year-old has a fever with a red rash...

And the nearest good doctor is three hours away over washed out roads.

What would you do?

In the Western world we have excellent medical systems, but, as a worker in a Third World setting, you may well need to be prepared to diagnose and treat a wide variety of injury and illness. This course is a must for missionaries who will be very isolated from good health care and/or medically treating nationals as part of your ministry.

Whether you are a doctor with very little experience in tropical medicine, a nurse, a health care provider, or a lay person, your two weeks in MMI will give you that preparation. The course textbook, the *Village Medical Manual*, was written by Dr. Mary Vanderkooi, an Equip missionary and a specialist in tropical medicine. This unique diagnostic tool, in conjunction with 200 sample case studies, will prepare you to use logical, step-by-step methods to diagnose hundreds of diseases that you may encounter.

Lectures, which are presented by various instructors with experience in Third World medicine, include: Patient Evaluation, Logic of Diagnoses, Infectious Diseases, Common Diseases, Lacerations and Midwifery.

Labs will give hands-on experience in physical examination, suturing lacerations, injections, calculating dosages and rehydration fluids, stomach tubes, splinting, bandaging, improvisation, sterilizing and developing personal medical kits.

MMI could literally be a lifesaver:

MMI is an intense 12 days of lectures, labs, homework and Christian fellowship. Visit our website for course price.

Community Health Evangelism

The living conditions of your target people group are deplorable, but they don't know it...

It would be great if they would get together and decide for themselves that "healthier is better..."

How do you explain that "God is good" to someone who doesn't know "sin is bad"?

Where do you start?

Most people in the West were brought up knowing right from wrong, good from bad, and that God loves them. How do you relate to a person whose point of view is completely foreign to your own? Can you convince them that the filth, disease and poverty they see around them are not the only way to live? How do you introduce them to ideas of health, education, improved living conditions and, eventually, a relationship with the Author of Life if they see no need for or means of change?

Community Health Evangelism (CHE) seamlessly integrates evangelism and discipleship with disease prevention and community based development. The CHE program is holistic as it seeks to meet the whole need of individuals and communities through complete obedience to everything that Jesus commanded.

CHE is initiated in a community by a three- or four-person CHE training team usually comprised of missionaries who speak the language of the community and live close enough to visit frequently. As they start out in the community, the training team helps raise awareness of need and opportunity, and then the training team facilitates a process by which the community itself identifies solutions and begins to work together on those solutions.

The community then selects a local leadership committee to oversee the work in the community. The leadership committee then selects other community members to be trained as volunteers who become health educators and personal evangelists doing the "hands-on" implementation of the health-improving and evangelizing steps in the community. **The CHE principles and concepts have been very successful because the CHE program is 'owned' by the community with CHE trainers serving as catalysts for change.**

Interactive seminars in a relaxed atmosphere will train you to be a Trainer of Trainers in the CHE concepts and principles and will make your ministry more effective than you ever thought possible. Visit our website for course price.

Food Production

Your mission field is lush with vegetation, plentiful rain, fertile soil... What is edible?!

The native people around you suffer from malnutrition, and their crops are failing...

You have been sent to live in a virtual desert, and you must provide food for your family...

McDonald's is nowhere to be seen!

What is there to eat?

How many of us really know how to grow all of our own food, to prepare meals from scratch, or even how to determine the nutritional value of what we are consuming? How can you introduce new and better food sources and farming practices to an area suffering from poor soil conditions, climate challenges, and limited resources? Your family's and perhaps your entire community's lives depend on your ability to provide good nutrition using the resources that are available in your area.

Our Food Production course is designed to address these and other related areas of importance. Classes include plant husbandry (irrigation techniques, soil and plant management, intensive gardening and food production systems), animal husbandry (herd health, management and product utilization), aquaculture (fisheries management) as well as nutrition and a balanced diet, beekeeping, food dehydration, alternative fuel saving cooking methods (solar, rocket stove, haybox), and introductions to breadmaking, canning, and the versatile soybeans.

Classroom time is coupled with additional instruction and hands-on learning outside and in the kitchen. You will learn not only how and what to grow, but also how to preserve, prepare, and give added value to what is produced by introducing opportunities for a family to market surplus production.

Varied instructors and "classroom" settings combined with the opportunity of working together with fellow students provides a valuable learning experience for all who participate. Visit our website for course price.

Water Technologies

There is water everywhere, but none is fit to drink... **The people in your village** spend most of their time hauling water...

You would love to give a drink of water in Jesus' Name, if only you had any to give...

You are taking your children to a place where you know the water is unsafe...

What is there to drink?

According to the World Health Organization, there are 1.1 billion people without access to improved water supply sources and 2.4 billion without access to any type of improved sanitation facility. Approximately 2 million people die every year due to diarrhea diseases; most of them are children less than five years of age. (1)

These statistics do not really impact us here in America because the majority of those impacted by unsafe water and sanitation live outside our borders. We believe people can be saved from the suffering and death due to diarrheal disease and given the opportunity to choose a better way to live through the hope of an eternity with Christ. Here at Equip we train missionaries and Christian workers to minister to the poorest of the poor with practical skills, knowledge and resources in filter technologies, well drilling, and water pump systems.

Water Filtration Tech (one week)

The emphasis of this course is for students to learn how to build, use and maintain the CAWST household BioSand water filter. Equip instructors are CAWST certified. Students make an actual concrete filter, clean and sort the media used inside the filter and ensure the newly constructed BioSand filter is operating correctly.

- Understand the science of the BioSand method of filtration
- Familiarity with CAWST filter molds
- Construct a BioSand filter
- Create the BioSand filter media
- Water testing and disinfection

(1) -http://www.who.int/water_sanitation_health/hygiene/en/index.html

Equipping

Servants

Summary

There is no "one" solution to these problems as they are as diverse and varied as the people, cultures, geology and locations in which missionaries serve. Our Water Technologies Courses offer a comprehensive program that takes a serious look at these issues to equip the missionary with varied tools and strategies.

We offer other courses in:

*Aquaponics
Culture Link
Foundation for Farming
Physicians Course
TESL*

For more information, please visit our website.

Your instructors for this course include hydro-geologists and engineers with decades of community development and experience working overseas and training others. This is a busy week with lots of time out-of-doors. The fee includes a training manual and a training video. Visit our website for course price.

Pumping Water Technologies

This one-week course provides students with a "hands-on" participatory training environment using actual hand pumps, electric pumps and gravity pumps. Equip's campus has 12 different types of pumps for students to experience. During this course, these pumping systems will be examined, disassembled and then reassembled.

Course Output

- Understand and operate commonly used hand pumps - India Mark II, Afridev, Bush, Central American Rope pump, Direct action - Canzee and pitcher suction pump
- Diagnosis and repair problems found in common pumping systems
- Water testing and water treatment
- Community assessment and entry strategies
- Pumping ground water vs. surface water - options and concerns
- Integrated mission and collective worth of Water, Sanitation and Hygience education (WASH)
- Understanding of water development case studies

With this one-week course missionaries exposed to these concepts are better equipped to meet the need for safe water in the mission field. Visit our website for course price

- Advantages and disadvantages of water filtration methods
- Hygiene and sanitation as it relates to water
- The basics of building and maintaining simple pumps

This is an informative class with a relaxed atmosphere. There will be classroom lecture and hands-on construction experience. Visit our website for course price.

Well Drilling Technologies

This course covers all aspects of safe water provision through well digging that can be accomplished in a one week training event. Students will learn to drill with the LS-100 shallow well, mud rotary drilling rig and actually drill, locate an aquifer, ream and case the borehole, develop the water well and install a hand pump.

Mud rotary drilling is the primary focus of this course, **but in addition** students will also learn to manually drill with simple, less expensive, percussion methods and hand augers. There are many ways to drill for water and our goal is to equip you with several ways to locate, drill and provide water in your geographical location.

- Overview of geology as it relates to water well drilling
- Where to locate the water well
- Drill and complete a water well using the LS-100
- Water well construction and hand pump installation
- Water testing and water disinfection
- Demonstration of other drilling methods



*A higher standard.
A higher purpose.*

*Missionary Medicine
Community Health Evangelism
Food Production
Water Technologies*