

The Circle of Life – from Birth to Old Age

Course Coordinator: Prof. Ahuva Golik MD

Course Description

In this course, students will learn about human development during the life span by studying the various medical fields in the classroom, and through clinical exposure by joining doctors on their clinical ward rounds in the various departments and conversing with patients. In addition, the students will be trained by Magen David Adom to provide Pre Hospital Trauma Life Support (PHTLS), will take a course at the Israel Defense Forces Medical Corps training base, and during the semester, course participants will also become Magen David Adom ambulance volunteers in the afternoons.

Course Objectives

1. Gaining knowledge about human development – from birth to old age
2. Exposure to the various fields of medicine
3. Learning about medical ethical issues arising during the treatment of patients
4. Learning to accept other people who are different

Credit – 3 credits

Topics

1. Emergency medicine – First Aid Training Course by Magen David Adom
2. Gynecology and midwifery
3. Newborn medicine
4. Pediatric medicine
5. Internal medicine
6. Nephrology
7. Oncology
8. Cardiology
9. Surgery and anesthesiology

10. Orthopedics
11. Research and development
12. Diagnostic imaging and X-rays
13. Gastroenterology
14. Infectious diseases
15. Geriatrics

Tours/Visits

1. Volunteer work with Magen David Adom
2. Educational delivery room and prenatal ultrasound tour
3. Joining Pediatric Division doctors on their clinical ward rounds and accompanying them on their outings to treat patients at the Community Clinic in Lod
4. Educational tour of the Nephrology Department
5. Comprehensive educational tour encompassing the various fields of cardiology including tests and catheterization
6. Observation in the operating theater
7. Educational tour embracing all the fields of diagnostic imaging and radiology, including acquaintance with computerized tomography (CT) and magnetic resonance imaging (MRI)
8. Tour of the Hyperbaric Chamber and acquaintance with the fields of hyperbaric medicine
9. Tour of the Gastroenterology Institute and acquaintance with the various tests performed

Course Requirements and Grading System:

1. Mandatory participation in at least 80% of classes: 10%
2. Successfully passing First Aid Training Course by Magen David Adom: 40%
3. Final Project on one of the topic or experience during the course: 50%

Required Reading

Porter, S.R. "The Merck Manual of Diagnosis and Therapy, 2011

[www.heart.org/HEARTORG/CPRAndECC/HealthcareProviders/BasicLifeSupportBLS/BLS-for-Prehospital-Providers UCM 459708 Article.jsp](http://www.heart.org/HEARTORG/CPRAndECC/HealthcareProviders/BasicLifeSupportBLS/BLS-for-Prehospital-Providers_UCM_459708_Article.jsp)