Y34 Foundations of Simulation

Course ID: MED 797BQ/997BQ
Discipline: Not Patient Care
Prerequisites: 8 or more weeks of core clerkships.
Available Sites: Saginaw
Duration: 4 weeks

Description
This elective rotation is a four (4) week introductory, structured experience designed to provide the student experience in principles of Simulation Education and provide an opportunity to develop simulation scenarios. Students will also be exposed to evidence based practices for the care of critically ill medical and trauma patients. This elective will provide students the opportunity to obtain certification in Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) if available during the rotation. Course fees apply.

Course Fees Apply
When courses available, course fees for ACLS and PALS apply. A discount will be provided to the students who register for these courses. Interested students should contact CMED’s Office of Students Affairs to obtain discount code.

Key Objectives
- Consistently apply an organized diagnostic approach to the care of critically ill patients
- Describe basic ventilator function, initial ventilator settings and interventions for commonly encountered lung pathology
- Demonstrate competency in the following simulated procedures: Cardiac monitoring, peripheral IV placement, urinary catheterization, endotracheal intubation, central line placement and arterial line placement
- Recognize acute life-threatening patient presentations and institute fundamental life support
- Successfully prepare for American Heart Association ACLS certification (certification not required)
- Successfully prepare for American Heart Association PALS certification (certification not required)
- Perform medical care and invasive procedures proficiently under appropriate supervision in a simulated environment. Demonstrate compassionate and empathic patient care during all laboratory events and training
- Describe and demonstrate characteristics of high functioning medical resuscitation teams
- Demonstrate professional behaviors
- Use information technology to manage information, access online medical information and support one’s own education
- Define the following concepts: situational awareness, shared mental model, check-back, huddle, call-out, mutual support, closed-loop communication, advocacy and inquiry, deliberate practice, inter-professionalism, mastery learning
• Use effective listening skills and elicit and provide information using effective nonverbal, explanatory, questioning and writing skills
• Work effectively with others as a member or leader of a health care team or other interprofessional group

Assessment Method
College of Medicine standard elective assessment will be completed by supervising faculty at conclusion of elective clerkship.

Scheduling Information
Interested students should contact CMU College of Medicine Department of Distributed Clinical Education at CMEDDCE@cmich.edu.