

University of Michigan Medical School - Course Catalog – 2023-2024

EMERGMED-8700

Course Description	<p>Emergency Critical Care is an innovative new field that combines the acute, diverse pathology of emergency medicine with the deep, pathophysiologic and evidence-based clinical management of critical care. The Emergency Critical Care Center (EC3) offers a unique clinical experience where critical care trained faculty manage some of the most acutely ill patients in the hospital while sharing their expertise with our terrific medical students.</p> <p>EC3 is a vibrant learning environment where students are essential members of a small care team, working closely with the attending (present 24 hours/day) and a fellow or resident. The autonomy and clinical responsibilities of students on this rotation is evidenced by reporting showing that during their EC3 rotation, students performed (NOT just observed) an average of:</p> <ul style="list-style-type: none"> • 0.5 central lines per student • 3 arterial lines per student • 0.25 lumbar punctures per student • 6 bedside echo/FAST/RUSH ultrasound exams per student <p>In addition, students participate in a dedicated lecture series and a unique clinical simulation experience, both taught by award-winning faculty. These experiences have garnered praise from students as being important for their professional development and entrustment as future physicians.</p> <p>Overall, EC3 gives students the opportunity to care for acutely ill patients, provides a deep dive into the understanding and management of critical illnesses and offers an autonomy rarely experienced during medical school.</p>
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EMERGMED-8700 continued. . .

Course Description 2 cont.	<p>Assessment: Students Will Be Assessed by Faculty, Fellows and House Officers Based on the Following:</p> <ol style="list-style-type: none"> Application of evidenced based practices and pathophysiologic principles to the care of critically ill patients. Appropriateness of clinical reasoning in determining diagnostic and therapeutic plans. Ability to develop and present system based assessment and plans. Safety and proficiency surrounding common critical care procedures. <p>Methods Used in Student Assessment Include:</p> <ol style="list-style-type: none"> Observations of performance by faculty, fellows and house officers. Professionalism evaluation determined by the course director and informed by the student's ability to attend all didactic activities in a punctual fashion and demonstrate thoughtful engagement with these activities.
Course Description 3	<p>NOTE: Students may request up to 3 days off during the period. Students have REQUIRED ACTIVITIES during each week of the 4 week period.</p>

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LCME Topics: Please review the topics below, and check the corresponding checkbox for any and all topics you cover in this M4 course. Coverage is indicated if it appears in your course objectives or as a significant topic covered during your course.	Communication skills, End-of-life care, Interprofessional Experience, Pain management, Palliative care, Self Directed Learning
Methods to be used in student evaluation include	Clinical assessment form, Attendance at specified events
Medical Student Competencies- Patient Care	PC-cr. Use clinical reasoning, formulate appropriate differential diagnoses, make informed decision about diagnostic and, PC-ps. Perform procedural skills considered essential for patient care
Medical Student Competencies- Medical Knowledge	MK-dm. Apply established and emerging principals in diagnostic and therapeutic decision making, clinical problem solving and other aspects of evidence-based health care
Medical Student Competencies- Communication	C-pf. Communicate effectively with patients, families, and the public across a broad range of socioeconomic and cultural backgrounds, C-dc. Demonstrate sensitivity, honesty, and compassion in difficult conversations including those about death, end of life, adverse events, bad news, disclosure of errors, and other sensitive topics
Medical Student Competencies- Professionalism	PR-ra. Demonstrate responsibility and accountability to patients, society, and the profession
Medical Student Competencies- Leadership, Teamwork, &	LTI-ic. Demonstrate the ability to work effectively on interprofessional teams to coordinate care
Medical Student Competencies- Practice Based Learning & Improvement	PBLI-sl. Engage in self-directed learning, reflective practice, guided self-assessment, and demonstrate receptivity to feedback
Learning Objectives	<p>Learning Objectives:</p> <ul style="list-style-type: none"> a. Demonstrate an integrated knowledge of critical care medicine with a focus on science that will include advanced, system-based pathophysiology of diseases, anatomy, and applied pharmacology. b. Demonstrate the ability to assume primary responsibility for providing comprehensive care to critically ill patients. c. Manage critically ill patients presenting with acute, undifferentiated illness. d. Demonstrate the ability to systematically evaluate medical data, both clinical and laboratory/imaging, and synthesize a comprehensive diagnostic and therapeutic plan based on this data. e. Develop system based assessment and plans on critically ill patients. <p>Develop procedural skills including point of care clinical ultrasound assessment, arterial line and central venous catheter placement and advanced airway management.</p>