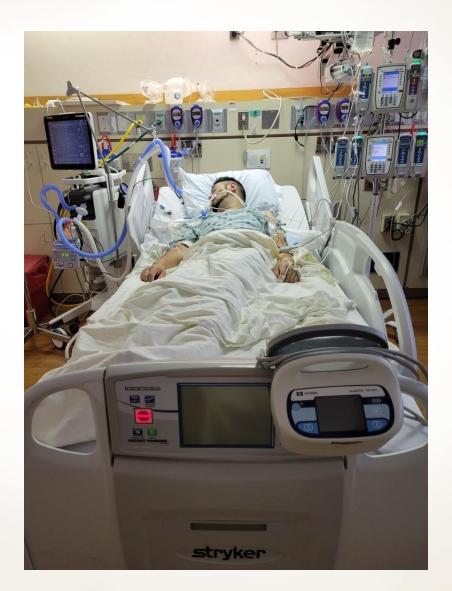


We also treat the human spirit.*

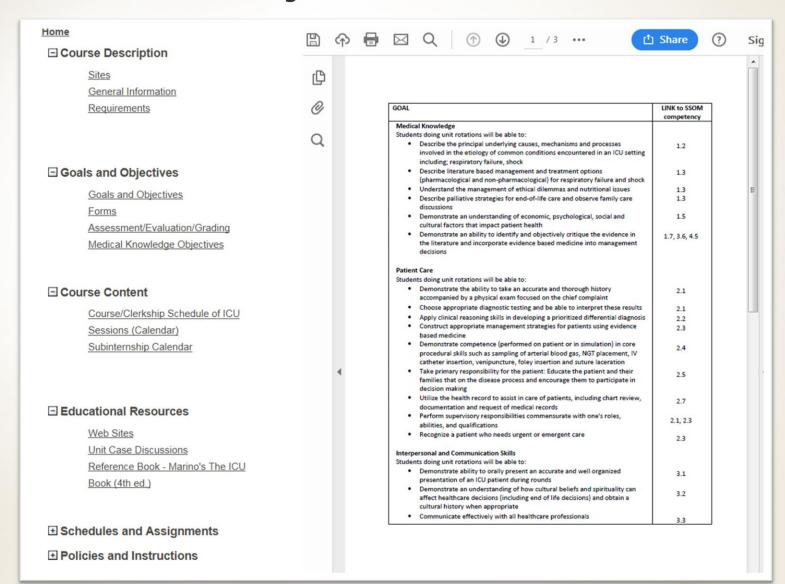
ICU Subinternship

Orientation

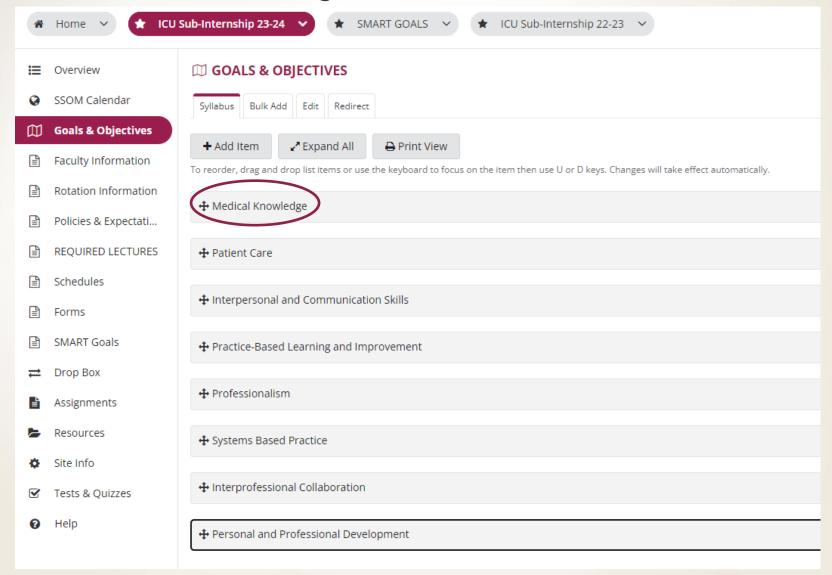
Welcome to the ICU



Goals and Objectives - see LUMEN



Goals and Objectives - also on Sakai



Goals and Objectives

♠ Medical Knowledge

A. Respiratory Failure and Mechanical Ventilation (Resp failure lecture orientation day - Simpson)

Some review cases: https://courses.washington.edu/med610/mechanicalventilation/cases.html

- 1. Understand indications and benefits of Noninvasive ventilation
 - a. Understand the difference between CPAP and BiPAP
- 2. Understand ventilator settings
 - a. What should be set in each mode
 - b. "Typical vent settings"
 - c. Understand the different ventilator modes and what needs to be monitored on each mode
 - i. AC/VC vs AC/PC
 - 1. Monitor Peak pressure and plateau pressure on VC and monitor Vt on PC
 - ii. SIMV
 - iii. PS
- 3. Understand how to adjust the ventilator based on the ABG
 - a. Adjust FiO2/PEEP for low pO2
 - b. Adjust RR and VT for high pCO2/low pH
- 4. Understand ventilator mechanics
 - a. Compliance
 - i. Understand how to calculate compliance
 - ii. Ddx of poor compliance
 - iii. Management of acute change in compliance
 - b. Resistance
 - i. Calculate resistance
 - ii. Ddx of high resistance
 - iii. Management of acute change in resistance
- 5. ARDS
 - a. Definition
 - b. Physiology (shunt)
 - C. Management (strategies for improving hypoxemia)
 - i. Paralytics
 - ii. Proning
- 6. Understand which types of sedation to use when a patient is on mechanical ventilation and how to monitor a patient's level of agitation and pain
 - a. RASS
 - b. CPOT
- 7. Weaning from the ventilator
 - a. RSBI, NIF
 - b. Requirements for attempting SBT
 - i. Reason for intubation has been fixed
 - ii. HD stable on min to no pressors
 - iii. Normal acid base status
 - iv. Awake and following commands
 - c. SBT options:
 - i. PS, tpiece, SIMV
- B. Shock (Shock lecture orientation day Gilbert)

Goals and Objectives

- Show up
- Be honest and professional
- Recognize a sick patient
- Know your limitations and ask for help
- Understand the ddx of respiratory failure and shock and know how to treat it
 - Review the literature
- YOU ARE THIS PATIENT'S DOCTOR:
 - Present during rounds, write updated notes, put in orders, call consults, update signout, update families, participate in family discussions

Rules and Expectations

- Scrubs are OK
 - Long coat to be worn over scrubs
- PGY-1 rules apply
 - Please email me if you find you are working more than 80 hours per week (on average)

Rules and Expectations - Attendance

- Orientation and Final exam day are REQUIRED
 - Even if scheduled for an away rotation
- < 4 week rotation</p>
 - Only 20 actual days in the ICU
- 1 day off per week PLUS day prior to exam OFF
 - Interviews count as days off
- University Holidays are an extra day off:
 - July 4th, Labor Day, MLK, Match Day, Good Friday
- Unexpected absence or not feeling well?
 - If sick: Contact the Wellness Center immediately to set up an appointment to be excused. You need to provide documentation that you are ill. A follow up appointment is needed to document clearance to return to work.
 - Alert your site and your team that you will be absent
 - Send an E-mail to Dr. Gilbert and copy the office of students affairs and Vivian Ortiz with the reason for your absence

Typical Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Orientation					
Day off						
Day off						
Day off				Day off	Exam	off
off						

PICU Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Orientation	6a-6p (12 hours)	6a-6p (12 hours)	6a-6p (12 hours)	6a-6p (12 hours)	6a-11a (5 hours)
OFF	6a-6p (12 hours)	6a-11a (5 hours)				
OFF	6a-6p (12 hours)	OFF				
6a-11a (5 hours)	6a-6p (12 hours)	6a-6p (12 hours)	6a-6p (12 hours)	OFF (study day)	EXAM	OFF

ICU Sub-I Core Curriculum

- Prior to Day 1, review the follow lectures on Sakai
 - Shock
 - Respiratory failure and mechanical ventilation
 - Ethics
 - POCUS videos
- Day 1 Simulation Sessions
 - Ethics role play/small group session
 - Hands on critical care ultrasound session
 - Simulation session: care of a critically ill patient
 - Hands on ventilator session with 3 different cases

ICU Sub-I Core Curriculum

- To be reviewed prior to exam (Sakai):
 - Cardiology lecture (Dr. Subir Shah)
 - Nutrition case (Tamara Kinn, RD, LDN, CNSC)
 - New powerpoint presentation for reference
 - Acid Base (Dr. Emily Gilbert)

		ICU Cases		
Date	Time	Topic	Faculty	Room
Online – to be reviewe	d prior to orientation day	Orientation	Dr. Emily Gilbert (author)	Orientation
Online – to be reviewe	d prior to orientation day	Shock	Dr. Emily Gilbert (author)	Shock
Online – to be reviewe	d prior to orientation day	Respiratory Failure	Dr. Kevin Simpson	Respiratory Failure
Orientation Day	10:15am – 11:00am	Death and Dying in the ICU	Loyola Chaplain	SSOM 360
Orientation Day	11:00am – 12:00pm	Advanced Topics in Critical Care Ethics	Dr. Paul Hutchison	SSOM 360
	1	LUNCH BREA	λK	
Orientation Day	1:15pm – 3:15pm	Clinical Skills Exercise	IM Chiefs	SON 3532
Online – to be reviewed prior to the final exam		Cardiac Issues	Dr. Subir Shah (author)	Cardiac Issues
Online – to be reviewe	d prior to the final exam	Nutrition in the Critically Ill Patient	Dr. Emily Gilbert (author)	Nutrition in the Critically Ill Patient
Online – to be reviewe	d prior to the final exam	Acid Base	Dr. Emily Gilbert (author)	Acid Base

End of life, death and dying

- Chaplain talk on Orientation day
- MICU debriefing every month
 - Psychiatry comes to address the stress associated with caring for sick patients in the ICU
 - Discuss students' and residents' different coping mechanisms.
- Attending or fellow

ICU Sub-I Core Curriculum

- To be completed prior to end of rotation:
 - SMART goal
 - A learning point that you would like to accomplish during your ICU clerkship.
 - Created and submitted by THIS Friday
 - If the goal is not submitted or is submitted late, this will be considered a concern for professionalism and practice-based learning clerkship competencies.

ICU Sub-I Core Curriculum

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 - SMART goal
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 - Created and submitted by THIS Friday
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 - Directly observed interpretation of a critical care CXR.
 - Filled out by your fellow or attending

CXR interpretation

Student name:	ent name: Evaluator:				Date:	
	ICU SUB-I Direct Observation - R	eading CXRs				
Confirmed correct patient name and date			YES	NO	n/a	
Assessed adequacy of penetration and inspiratory	effort.		YES	NO	n/a	
Able to identify any central lines and determine if t	hey are in the correct location		YES	NO	n/a	
Able to assess location of endotracheal tube and d		YES	NO	n/a		
Able to identify the dobhoff or nasogastric tube and determine if it is in the correct location			YES	NO	n/a	
Follows trachea down to carina and main bronchi.		YES	NO	n/a		
Evaluates bones and soft tissues for fractures and	subcutaneous emphysema		YES	NO	n/a	
Evaluates mediastinal and cardiac contours			YES	NO	n/a	
Assesses diaphragms and costophrenic angles for effusions, hyperinflation, atelectasis and basilar consolidation			YES	NO	n/a	
Assesses lung parenchyma for interstitial markings, consolidation and comments on lack of evidence of pneumothorax			YES	NO	n/a	
Assesses visible abomen to rule out free air under		YES	NO	n/a		

Needs to be filled out by ICU attending or fellow

ICU Sub-I Core Curriculum

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 - Directly observed interpretation of a critical care CXR.
 - Filled out by your fellow or attending
 - Patient Data Log
 - Due by the end of the third week of the rotation

Student log

~ SUBINTERNSHIP ICU ~					
NAMESITE	PERIOD				
Did you have exposure to these clinical conditions Ortiz and you will be assigned an alternative expo		n? If not, please notify Vivian			
REQUIRED CONDITION	YES	NO			
Patient centered goals of care conversation					
Nutritional Issues					
Respiratory Failure					
Shock					
PROCEDURES (not required)	PERFORMED	OBSERVED			
Venipuncture					
Insert IV Catheter					
Arterial Puncture					
Lumbar Puncture					
Insert NG Tube					
Insert Foley					
Suture Laceration					
IHI Module and QIPS Activity (required)		ne PS-104 IHI module and activity"			
Module: PS 104- Teamwork and Communication					
Multidisciplinary Rounding and Communication (attend WIND rounds, discuss patient care with SW, nutritionist, PT/OT, etc)					



IHI Module and QIPS Activity Overview ICU Sub-I

- Go to education.ihi.org and log in.
 - If you are not registered, you will need to set up an account using a ".edu" email account
- Required Module: PS 104- Teamwork and Communication
 - Recommend completing the module <u>early in the clerkship</u> and prior to the paired patient centered activity to get the most educational benefit
 - Attest that you have completed this activity on the patient data log
- Paired Activity: Multidisciplinary Rounding and Communication
 - Attest that you have completed this activity on the patient data log

Student log

~ SUBINTERNSHIP ICU ~					
NAMESITE	PERIOD				
Did you have exposure to these clinical conditions Ortiz and you will be assigned an alternative expo		n? If not, please notify Vivian			
REQUIRED CONDITION	YES	NO			
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ICU Sub-I Core Curriculum

- To be completed prior to end of rotation:
 - SMART goal
 - A learning point that you would like to accomplish during your ICU clerkship.
 - Created and submitted by THIS Friday
 - If the goal is not submitted or is submitted late, this will be considered a concern for professionalism and practice-based learning clerkship competencies.
 - Directly observed interpretation of a critical care CXR.
 - Filled out by your fellow or attending
 - Patient Data Log
 - Due by the end of the third week of the rotation
 - IHI module and paired activity
 - Mid-Clerkship Feedback and Self Assessment Form

Mid-Clerkship Feedback

- Students are expected to fill out a selfassessment form and receive mid clerkship feedback
- Use this time to discuss your clerkship SMART goal
- Both forms should be handed into Vivian by the end of the second week of the rotation

Student Name:

SUB-INTERNSHIP SELF ASSESSMENT FORM

For each EPA, please choose whether you think you're ready for residency (entrustable) or not yet ready for residency (pre-entrustable)

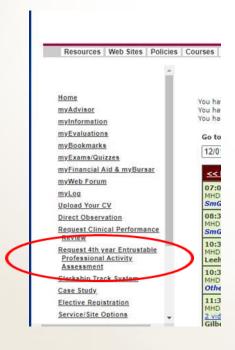
	Pre-Entrustable	Entrustable
	(not yet ready for	(Ready for
	residency)	residency)
EPA 1: Gather a history and perform a physical examination		
Day 1 residents should be able to perform an accurate complete or focused history and physical exam in a prioritized, organized		
manner without supervision and with respect for the patient. The history and physical examination should be tailored to the clinical		
situation and specific patient encounter.		
PA 2: Prioritize a differential diagnosis following a clinical encounter		
To be prepared for the first day of residency, all physicians need to be able to integrate patient data to formulate an assessment,		
developing a list of potential diagnoses that can be prioritized and lead to selection of a working diagnosis.		
EPA 3: Recommend and interpret common diagnostic and screening tests		
This EPA describes the essential ability of the day 1 resident to select and interpret common diagnostic and screening tests using		
evidence-based and cost-effective principles as one approaches a patient in any setting		
EPA 4: Enter and discuss orders and prescriptions		
Writing safe and indicated orders is fundamental to the physician's ability to prescribe therapies or interventions beneficial to		
patients. It is expected that physicians will be able to do this without direct supervision when they matriculate to residency.		
PA 5: Document a clinical encounter in the patient record		
Entering residents should be able to provide accurate, focused, and context-specific documentation of a clinical encounter in either		
written or electronic formats.		
EPA 6: Provide an oral presentation of a clinical encounter		
Entering residents should be able to accurately present a summary of a patient's clinical course to the health care team as well as		
patients and their families so that everyone understands the patient's current condition.		
EPA 7: Form clinical questions and retrieve evidence to advance patient care		
Entering residents should be able to identify key clinical questions in caring for patients, identify information resources and retrieve		
information and evidence that will be used to address those questions. Day 1 residents should have a basic knowledge of how to		
critique the quality of evidence and assess the applicability to their patients and the clinical context.		
PA 8: Give or receive a patient handover to transition care responsibility		
An entering resident should be able to give handoff to another inpatient provider (ICU team to floor team or vice versa), to an		
outpatient provider (from inpatient team to PCP) or to a family member who will be caring for the patient at home.		
EPA 9: Collaborate as a member of an interprofessional team		
Entering residents should be able to work and communicate well with all members of the healthcare team (including other		
physicians, social work and nursing).		
EPA 10: Recognize a sick patient and initiate eval and management		
This EPA calls for the day 1 residents to be able to recognize a patient who requires urgent or emergent care, initiate evaluation and		
call for assistance from senior team members		

Due Dates

Activity	Due date
SMART goal	End of 1st week
Mid-Clerkship Feedback and Self-Assessment	End of 2 nd week
Patient Data Log (including attestation of completion of IHI module and associated activity)	End of 3 rd week
Directly Observed Interpretation of CXR	On last day of clerkship

Clinical Performance Evaluation – MUST be filled out by an Attending

- EPA-based
 - Log into myLUMEN and selecting "Request 4th year Entrustable Professional Activity Assessment"



ICU SUB-INTERNSHIP EVALUATION FORM

Only attendings who have worked with the student for at least FOUR days may fill out an evaluation.

NOT every Stritch student is above average. A student at expected level (2nd column) will still receive a Passing grade on the Clinical Performance Evaluation (not the only measure upon which they are graded) and therefore can still do very well in this rotation.

If you feel that the student requires remediation (any of the first column boxes are chosen), please email the clerkship director at emgilbert@lumc.edu to discuss

	1. Needs remediation before starting internship	2. A good student. AT expected level for a 4 th year <u>Stritch</u> student	3. ABOVE expected level for a 4 th year <u>Stritch</u> student	EXTRAORDINARY. Top 3% of the class. *If this box is checked you will be required to give a written example of behavior
EPA 2: Prioritize a differential diagnosis following a clinical encounter	Unable to come up with a differential for key diagnoses (respiratory failure or shock)	Proposes a reasonable differential diagnosis but misses some less common diagnoses	Thorough and complete differential diagnosis.	Very broad differential, including diagnoses that one would expect only a senior resident to know.
EPA 3 and 4: Recommend and Interpret Common Diagnostic and Screening Tests Enter and Discuss Orders and Prescriptions	Unable to recognize an abnormal (critical) result Lacks basic knowledge needed to guide ordering medications or tests	Able to distinguish insignificant abnormalities from clinically important findings. Sometimes needs help deciding how to respond to an abnormal lab or test.	Recognizes urgent test results and responds appropriately Example: recognizes an elevated potassium level and orders appropriate workup and treatment	Takes into account the patient condition when ordering tests. Can explain how orders and results will influence clinical decision making. Recommends workup and testing at the level of a senior resident
Tresurptions	Example: when reporting labs, doesn't comment on or notice an elevated K+	Able to articulate the rationale behind orders		Example: Recommends a factor VIII level to distinguish between DIC vs liver failure
EPA 5: Document a Clinical Encounter in the Patient Record	Notes disorganized, inaccurate, not updated	Notes are largely accurate and updated but miss some key points	Notes are organized and complete with a clear plan	Outstanding progress notes. Complete yet concise, very well-organized with comprehensive plan.
EPA 6: Provide an Oral Presentation of a Clinical Encounter	Presents in a disorganized and incoherent fashion. Fabricates information when unable to respond to questions	Presentations are usually well-organized but occasionally misses details and/or includes unnecessary information.	Concise, well-organized presentation	Outstanding presentations at the level of a senior resident. Does not use notes when presenting. Cites literature while presenting. Incorporates new data to update the plan.
EPA 7: Form Clinical Questions and Retrieve Evidence to Advance Patient Care	Does not reconsider approach to a problem, ask for help, or seek new information Unable to recognize limitations	Needs help going to literature to find answers to clinical questions Accepts findings from clinical studies without critical appraisal.	Occasionally brings papers to rounds With prompting, can cite data from the literature and assess evidence quality	Consistently brings papers to rounds and presents data to answer clinical questions related to patient care. Able to recognize high quality verses low quality evidence without prompting
EPA 9: Collaborate as a Member of an Interprofessional Team	Has disrespectful interactions with team, nurses or consultants.	Quiet on rounds, a more passive member of the team. Communicates with consultants but sometimes does not clearly convey or understand information.	Listens actively and elicits ideas and opinions from other team members. Updates the nurse after rounds	Nurses, social worker, dietician or respiratory therapists go out of their way to let you know about the extraordinary behavior of the student.

EPA 10: Recognize a Patient Requiring Urgent or Emergent Care and Initiate Evaluation and Management	Fails to recognize deteriorating vital signs in a decompensating patient	Occasionally misses abnormalities in patient's clinical status, cannot always anticipate next steps.	Recognizes change of patient's vital signs or a change in status and alerts team members immediately	Recognizes a decompensating patient and alerts team members. Comes up with a differential diagnosis for the decompensation and recommends next steps in workup and management.
Patient Communication Skills	Has difficult interactions with patients and families.	Updates families and patients but resident or attending will guide rounds and/or difficult conversations	Largely responsible for communication with the patient and the family. Usually accompanied by a resident or attending for more sensitive conversations.	Actively manages communication with the patient and family members. Trusted to engage in difficult conversations about sensitive subjects without significant input from other providers.
Comments (this is require	ed):			
If you checked the 1 st or 4 be defaulted to a 3.	4 th column, please give sp	ecific examples. If you do not ac	ld a specific comment for the	e 4 th column, student's grade will
Student Signature			Faculty Signature	

Clinical Performance Evaluation

- EPA-based
- Only 4 columns
- If ANY box is checked within the 1st column, this means the student will require remediation
 - Dr. Gilbert or Dr. Hutchison will speak with evaluator
- The 4th column should only be checked if the student is showing extraordinary behavior
 - An example will need to provided or we will default to column 3
- Boxes checked in column 2 or column 3 is still a very good student

Due Dates

Activity	Due date
SMART goal	End of 1st week
Mid-Clerkship Feedback and Self-Assessment	End of 2 nd week
Patient Data Log (including attestation of completion of IHI module and associated activity)	End of 3 rd week
Directly Observed Interpretation of CXR	On last day of clerkship
Final CPE	On last day of clerkship
Clerkship evaluation	Within 2 weeks of completing clerkship

Please upload all forms as PDF to Sakai Dropbox in this format: Your Last Name_First Initial_Name of Document

example 1: Smith_J_Mid Eval

Grading

Component	Weight
Exam	50%
Clinical Performance Evaluation	40%
Clinical Skills Exercise POLST	7%
Directly observed: CXR interpretation	3%

Grading

Component	Weight
Exam	50%
Clinical Performance Evaluation	40%
Clinical Skills Exercise POLST	7%
Directly observed: CXR interpretation	3%

Cumulative Score:

■ HONORS: 87% - 100%

HIGH PASS: 81% - 86.9%

■ PASS: 60.0% - 80.9%

You must pass all components to pass the clerkship

Professionalism is part of your grade!

Please rate the student below for each

Competency	Expectations / Concerns
Medical Knowledge	Meets
Patient Care	Meets
Interpersonal and Communication Skills	Meets
Practice Based Learning and Improvement	Meets
Professionalism	Meets with concerns
Systems Based Practice	Meets

- Unprofessional behavior includes:
 - Not telling your team or the clerkship director about excused absences (interviews)
 - Taking more than the allowed number of days off
 - Not showing interest in rounds
 - Consistently arriving late
 - Not turning in forms
 - Not filling out clerkship evaluation
 - Not completing SMART goal
- If there are professionalism concerns, remediation will be required



Search ...

RETURN TO CAMPUS REPORT A PROFESSIONALISM OR MISTREATMENT CONCERN HSD CARE REFERRAL REPORT A TECHNOLOGY ISSUE

HOME

ACADEMIC CALENDARS

EDUCATIONAL RESOURCES

ADMINISTRATIVE RESOURCES

Home

- **⊞ Course Description**
- **⊞** Goals and Objectives
- **±** Course Content
- **±** Educational Resources
- **Schedules and Assignments**
- **⊞ Policies and Instructions**

Required Subinternship Selective ICU



Course Director Emily Gilbert, M.D. emgilbert@lumc.edu



Assistant Course Director Paul Hutchison, M.D.,M.A. paul.hutchison@lumc.edu

Medical Education Coordinator: Vivian Ortiz (vortiz4@luc.edu)

Upcoming Events, Tests & Due Dates

[View All | View Next 30 Days]

Reporting a Professionalism Concern

Loyola University Chicago Stritch School of Medicine is committed to maintaining a learning environment characterized by respect and professionalism. If you have either been the recipient of or witnessed unprofessional behavior from a faculty member, resident or other healthcare provider, then it should be reported.

We take reports seriously and work to protect confidentiality as possible given the nature of the event. SSOM is committed to a policy that supports the timely disclosure of these concerns and prohibits retaliation against any student who reports such concerns. If you have concerns regarding confidentiality in reporting, please contact Associate Dean, James Mendez at 708-216-8140 or by email at jamendez@luc.edu

Reporting Gender-based, Sexist/Sexual, and Ethnic-based Unprofessional Behavior

Reporting Online: If the behavior you witnessed or experienced involved unwanted sexual advances, offensive sexist, racist, ethnic, or gender based remarks then these need to be acted upon as soon as possible. These behaviors fall under Gender-Based Misconduct and Title IX of the Educational Amendments Act and can be reported using Ethics Reporting Hotline Web Site.

Reporting by phone: These reports can also be filed by telephone via the University's Ethicsline at (855) 603-6988.

Reporting Other Unprofessional Behavior

If the behavior you witnessed or experienced involved, for example, public embarrassment, harassment, humiliation or other behaviors contributing to an unsafe learning environment, they can be reported using the <u>Professionalism Concern Reporting Form.</u>

Other Channels for Reporting Unprofessional Behavior

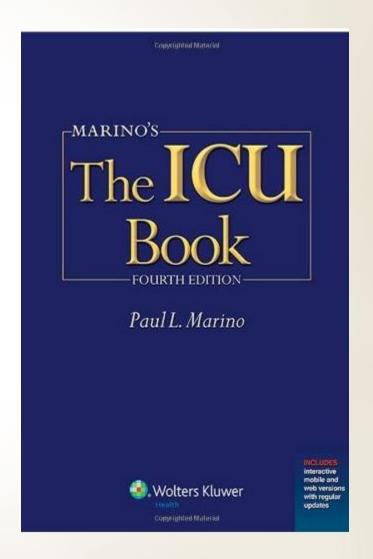
The Office of Student Affairs is well positioned to receive reports of unprofessional behavior. Contact information for three deans is below.

- Associate Dean, James Mendez, PhD (jamendez@luc.edu or at 708/216-8140).
- Assistant Dean, Viviana Martinez, MEd (<u>vimartinez@luc.edu</u> or at 708/216-8140)
- Assistant Dean, Darrell Nabers, MSc (<u>dnabers@luc.edu</u> or at 708/216-5326)

In addition, you can informally discuss your concerns with HSD Ministry, your course clerkship director, immediate faculty supervisor, Pastoral Care chaplains, or personal counseling services. You may seek confidential consultation through the Confidential Loyola Sexual Assault Advocates: Available during certain hours via the Advocacy Line at (773) 494-3810; visit https://tinyurl.com/loyolaadvocacy for more information.

Website/Resources

- Loyola MICU lecture series
 - Under schedules on Sakai
- Sakai
- LUMEN
 - The ICU Book



Page your residents or stop by the ICU after orientation and find out where/what time you need to be there on the first day

Questions? Comments?

emgilbert@lumc.edu