



# CIRCLE

CURRICULAR INTEGRATION:  
RESEARCHERS CLINICIANS LEADERS EDUCATORS

# Foundational Principles

- Clinical integration from day one
- Incorporation of active learning
- Emphasis on teamwork
- Early patient encounters
- Individualization of clinical activities
- Emphasis on professional identity formation



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# Educational Techniques

- Infrequent Lectures
- Self Instruction
- Online Learning
- Flipped Classrooms
- Shared Courses
- Clinical/Science Synthesis
- Interdisciplinary Education
- Dual Degrees



## MSI ACADEMIC YEAR 2012-13 ("New Curriculum")

JULY	AUGUST	OCTOBER	NOVEMBER		JANUARY	FEBRUARY		MARCH	APRIL	MAY		
1 WEEK	9 WEEKS	1 WEEK	9 WEEKS		1 WEEK	8 WEEKS		4 WEEKS	1 WEEK	5 WEEKS		
Medicine, Behavior & Society-1 (MBS 1)	Molecules to Medicine (M2M)	Medicine, Behavior & Society-2 (MBS 2)	Attack & Defense	Break	Medicine, Behavior & Society-3 (MBS 3)	Circulation & Hematology	Break	Respiratory	Medicine Behavior & Society-3 (MBS-3)	Renal & Male Reproductive		
Clinical Skills					Clinical Skills			Clinical Skills				
Language of Medicine (LOM)												

## MSII ACADEMIC YEAR 2013-14 ("New Curriculum")

JUNE		SEPTEMBER		NOVEMBER				
1 WEEK	9 WEEKS		1 WEEK	7 WEEKS	7 WEEKS			
Medicine, Behavior & Society-5 (MBS 5)	Mind, Brain & Behavior	Break	Medicine, Behavior & Society-6 (MBS 6)	Endocrine & Female Reproductive	Digestive Health & Nutrition	Break		
Clinical Skills			Clinical Skills				Clinical Skills	
							Language of Medicine (LOM)	

# CIRCLE Clinical Curriculum

- Core clerkship experience
- Early access to elective rotations
- Flexible scheduling over 28 months for:
  - Research experiences
  - Global health/community service learning
  - Dual degree requirements
  - Exam prep time
  - Personal activities

# Key Components of CIRCLE MS1 Year

- Module Coursework
- Language of Medicine
- Clinical Skills
- Weekly Synthesis Case
  
- Technology in Support of Learning

# Technology in Support of Learning

- Electronic Textbooks - VitalSource
- Web-based Audience Response (phone app)
- Blackboard Learn
- One45 Curriculum Management
- ExamSoft computer-based testing
- NBME computer-based testing

## How will you interact with module coursework?

- Each module has a Blackboard site with a calendar embedded with:
  - Assignments
  - Searchable discipline themes
- Each activity has the following components:
  - Pre-work
  - Educational Activity
  - Post-work



# Respiratory Health

WEEK 3	MONDAY 02-24-14	TUESDAY 02-25-14	WEDNESDAY 02-26-14	THURSDAY 02-27-14	FRIDAY 02-28-14
8:00 to 8:50	§ Weekly Quiz #2	Antibiotic Treatment of Respiratory Infections  Dr. Ryan	* Pneumonia Cases  Dr. Garcia	* Differential Diagnosis of Dyspnea  Dr. Adams	§ Synthesis Case  Individual/Team Quiz
9:00 to 9:50	Respiratory Defenses  Dr. Fiebelkorn	* Antibiotic Treatment of Respiratory Infections  Dr. Ryan	Pleural Effusions and Pneumothoraces  Dr. Adams	Histopathology Lab 3: Infection and Neoplasia and Vascular  Dr. Fiebelkorn/ Dr. King	Small Group Discussion
10:00 to 10:50	* Upper and Lower Respiratory Infections (Adult & Pediatric)  Dr. Bowling, Pediatrics Faculty	Chronic Respiratory Infections  Dr. Bowling	Pulmonary Hypertension and Pulmonary Vascular Disease, Venous Thromboembolic Disease  Dr. Adams		
11:00 to 11:50		Pulmonary Neoplasia  Dr. Fiebelkorn	Palliative Care: Dyspnea as Suffering  Dr. Morrow		
NOON		Review		Review	Faculty Panel
1:00 to 1:50	Clinical Skills	Clinical Skills	Clinical Skills	Clinical Skills	Clinical Skills
2:00 to 2:50	Pulmonary Lab	Respiratory Cases Lab	Respiratory Cases Lab	Respiratory Cases Lab	Respiratory Cases Lab
3:00 to 3:50	(check individual schedule on Clinical Skills blackboard)	(check individual schedule on Clinical Skills blackboard)	(check individual schedule on Clinical Skills blackboard)	(check individual schedule on Clinical Skills blackboard)	(check individual schedule on Clinical Skills blackboard)
4:00 to 4:50					

# Clinical Skills Module

- Runs through all preclinical modules.
- You will begin seeing patients during your first semester of medical school.
- You will know how to perform a complete history and physical exam at the end of your first semester of medical school.
- You will then learn to apply these skills to pathologic conditions to generate a differential diagnosis and evaluation of common presenting complaints.

# Synthesis Case Curriculum

- Every Friday morning, Longitudinal teams
- A “capstone” case-based clinical reasoning and doctoring skills exercise related to the weekly theme
- Facilitated by a clinical (MD) faculty member
  - Selected for their proven teaching skills
  - Longitudinal participation with students
  - “Coach”, not “Grader”



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# Module Co-Directors

Medicine, Behavior and Society

Molecules to Medicine – Molecular Biology Genetics  
Metabolism

Attack and Defense – Immunology and Microbiology

Circulation and Hematology



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# Module Co-Directors

Renal and Male Reproduction

Mind, Brain and Behavior

Endocrine and Female Reproduction

Digestive Health and Nutrition

Musculoskeletal and Dermatology



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# Discipline Coordinators

- Adult Health
- Anatomy
- Behavioral Science
- Child Health
- EBM/Informatics/Translational Research
- Ethics
- Genetics



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# Discipline Coordinators

- Histology
- Microbiology
- Neurosciences
- Pathology
- Pharmacology
- Public and Preventative Health
- Physiology
- Radiology