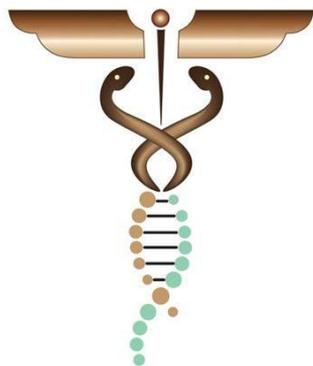


Molecules to Military Medicine

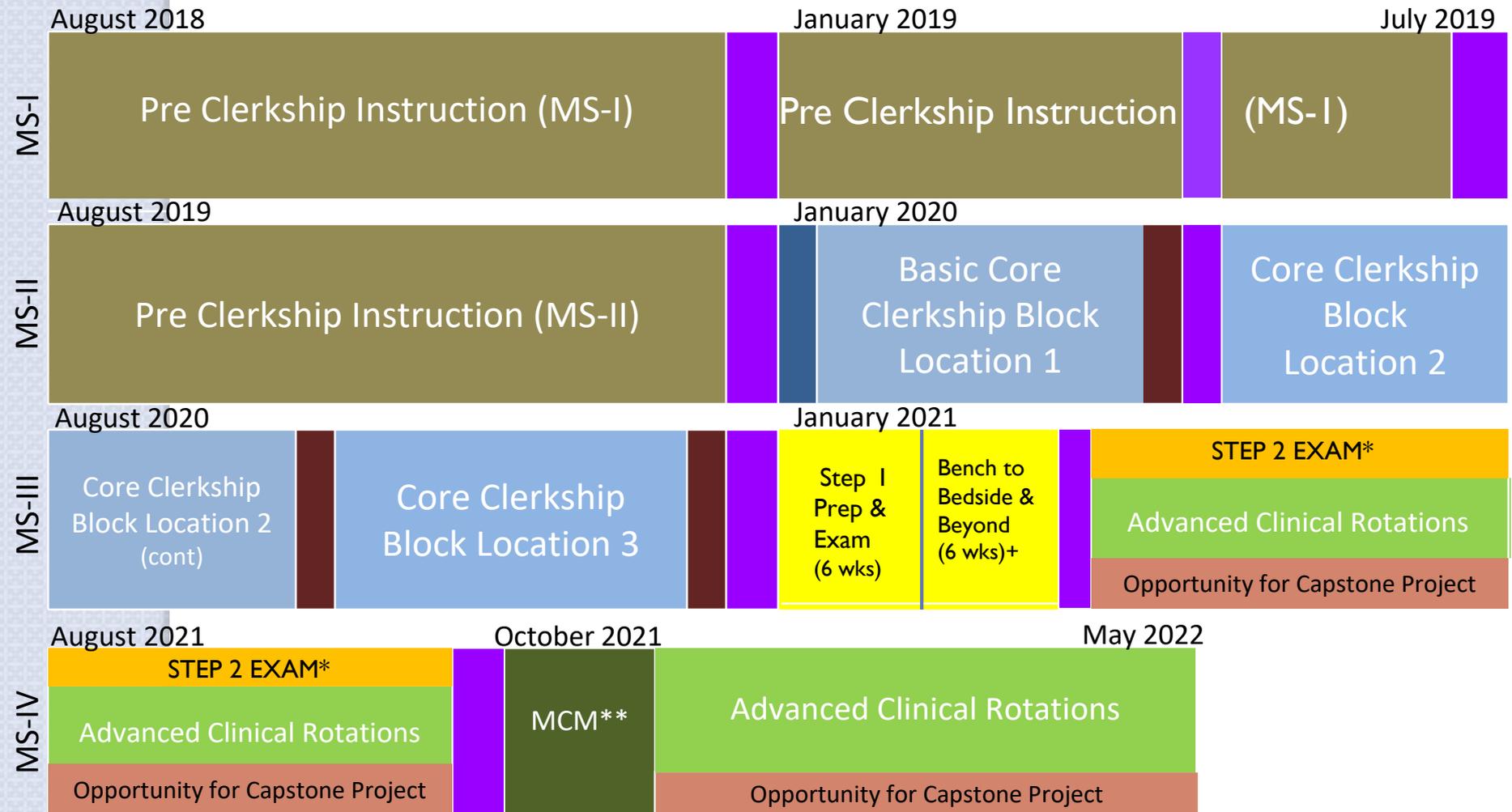
OVERVIEW FOR
INCOMING CLASS OF '22

**Molecules To
Military Medicine**



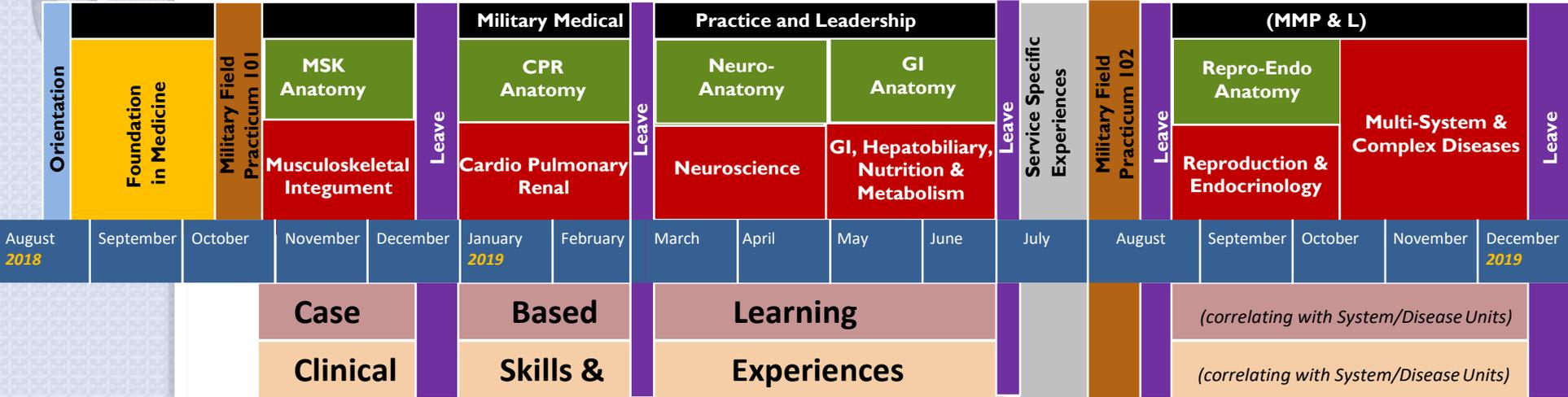
Dr. Arnyce Pock
Associate Dean for Curriculum
Spring, 2018

Overview of USU Molecules to Military Medicine Curriculum (Class of 2022)



+ Advanced Didactics--a.k.a. Bench to Bedside & Beyond or B³
 * Step II CK Taken Between April and 15 September – Prior to Capstone.
 -- Step II CS Taken NLT Nov of MS-IV Year.
 ** MCM: Military Contingency Medicine w/ Bushmaster Field Practicum

Overview of Pre-Clerkship Period (First 16 months)



- Orientation Week
- Foundation in Medicine
- Anatomic Laboratory
- System/Disease Based Units
- Military Medicine Curriculum

- Military Field Exercise
- Service-Specific Experience
- Case-Based Learning
- Clinical Skills & Experiences
- Vacation

Ex: Neuroscience & Behavior Module

- **Patient Presentation:**
 - Anatomy, Physiology, Embryology, Histology
- **Pathology:**
 - Head Trauma
 - Stroke
 - Alzheimer's Disease / Dementia
 - Neoplasms
- **Microbiology:**
 - Bacterial & Viral Infections
- **Pharmacology:**
 - Anti-Epileptics
 - Use & Metabolism of Opioids & Anesthetics



Ex: Neuroscience & Behavior Module

- **ICS/ICR/Reflective Practice:**
 - Neurologic & Mental Status Exams
 - Dealing with Uncertainty...
 - Small Groups (Case/Problem Based Learning):
 - Diagnosis & Management, Parkinson's Disease
 - Diagnosis & Management, Tay Sachs Disease
- **Military Medicine**
 - Ocular Ultrasound
 - Acute Stress Reactions
 - Diagnosis & Management, TBI / PTSD
 - Diagnosis & Management, Sleep Disorders

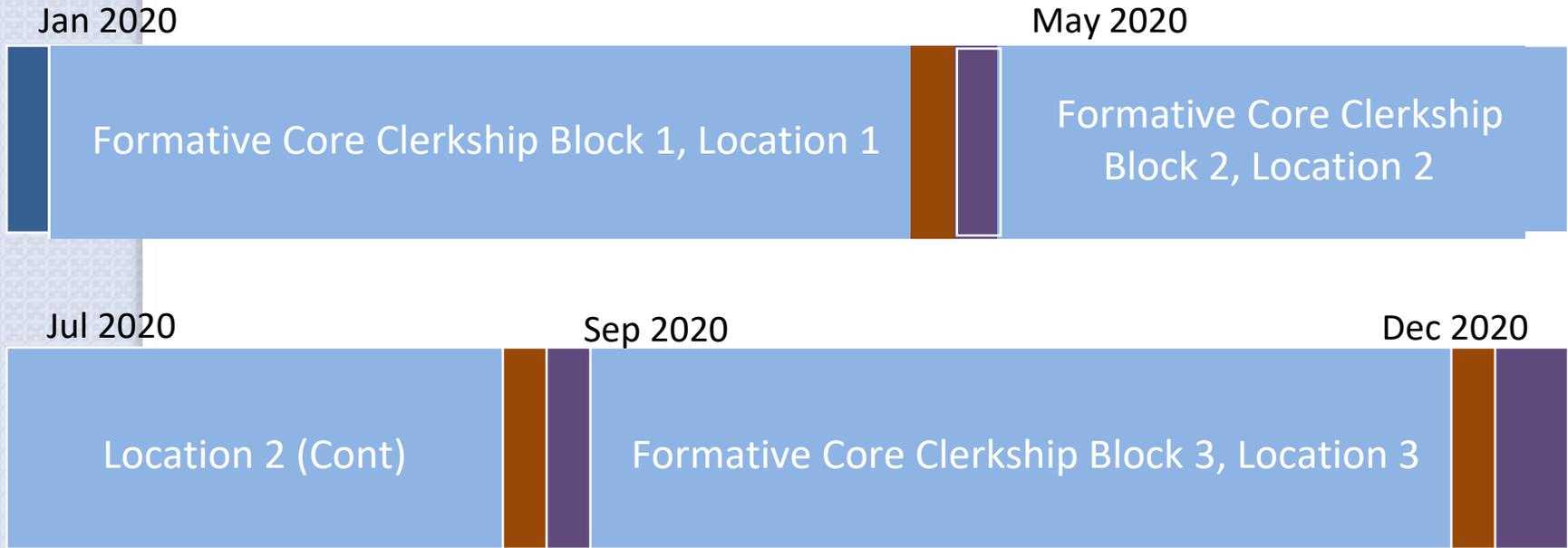


Sample Schedule – Pre-Clerkship Period

	MON	TUES	WED	THURS	FRI
MORNING SESSION (4 hrs)	<ul style="list-style-type: none"> - 3 Related Lectures (2.5 hrs) - Small Group Session (1.5 hr) 	<ul style="list-style-type: none"> - Anatomy, Physiology, Path Lecture (1.75 hrs) - Anatomy Lab w/ Intro (2.25) 	<ul style="list-style-type: none"> - 3 Related Lectures (2.5 hrs) - Small group session (1.5 hr) 	<ul style="list-style-type: none"> - Anatomy, Physiology, Path Lecture (1.75 hrs) - Anatomy lab w/ Intro (2.25) 	<ul style="list-style-type: none"> - 3 Related Lectures (2.5 hrs) - Small group session (1.5 hr)
AFTERNOON SESSION (3.5 hrs)	Self-Directed Study (Dean's Time)	<ul style="list-style-type: none"> - Ethics, Medical History, Reflective Practice, PrevMed, Mil Med, ICS, ICR, Sim Ctr, Clinical Activity 	Self-Directed Study (Dean's Time)	<ul style="list-style-type: none"> - Ethics, Medical History, Reflective Practice, PrevMed, MilMed, ICS, ICR, Sim Ctr, Clinical Activity 	Self-Directed Study (Dean's Time)

Overview of Core Clerkships – 52 weeks

Starts 2nd Half, MS-II Year & Extends to 1st Half, MS-III Year



60 students in each 16-week block; 20 students in each 5-week rotation, likely spread over 5 core sites; 4 students/rotation at each site

- Transition to Clerkship (1 week)
- Common Assessment Weeks (1 week each)
- Vacation (1 week in Spring; 1 week in Fall, 2 weeks in Winter)
- Clinical Rotations (16 Week Segments Comprising Core Rotations--5 weeks each--plus 1 Week of Combined Testing)

Pairing of Core Clerkships (16 Week Blocks)*

Vertical (Science Based) Emphasis: Microbiology, Immunology, Embryology												
1	Family Medicine (5 weeks)					Pediatrics (5 weeks)						Selective/EM/ Neurology (4 wks)

Horizontal (Clinical) Emphasis: Health Maintenance, Preventive Medicine, Domestic Violence

Vertical (Science Based) Emphasis: Pharmacology, Biochemistry, NeuroAnatomy													
IP/OP Medicine (10 weeks)							Psychiatry (5 weeks)						

Horizontal (Clinical) Emphasis: Palliative Care, Substance Abuse, Geriatrics

Vertical (Science Based) Emphasis: Gross Anatomy, Pathology, Physiology													
Surgery (10 weeks) (Gen Surgery and Core Subs: Ortho/Urology/Vascular/CT/Burn)							OB/GYN (5 weeks)						

Horizontal (Clinical) Emphasis: Surgical Skills, Informed Consent, Breaking Bad News, Team Trng

Common Assessment Weeks (shelf/written exams, OSCE, basic sciences, travel)

Week of Combined, FM-Peds Training (at Sim Center & USU)

***Note:** Goal is to provide at least 1 block (16 wks) of geographic continuity per student. Location (& occasionally content) of continuity blocks may vary from student to student.

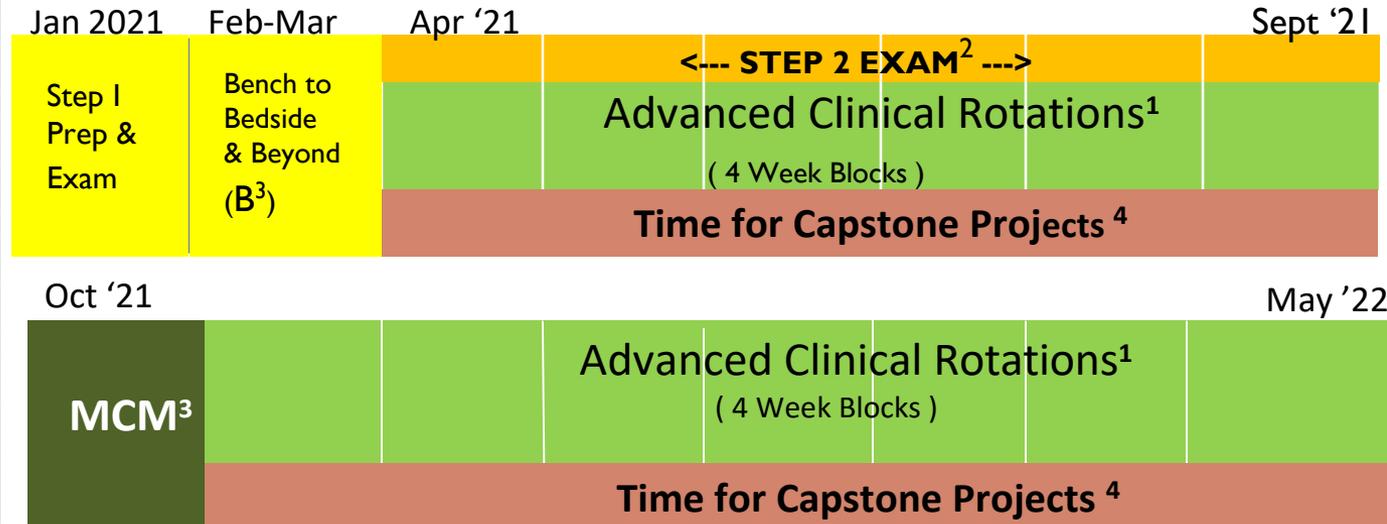
Major Teaching Sites



The School of Medicine Utilizes 22 Core Teaching Sites Across the U.S.

Overview of Post-Clerkship Period

Step Exams / Bench-to-Bedside & Beyond (B³) / Advanced Clinical Rotations
Military Contingency Medicine / Capstone Projects



General Notes:

-- Advanced Clinical Rotations includes traditional Sub-Internships, clinical electives, operational/humanitarian rotations, and/or specialized research (to include work on a Capstone Project).

Specific Notes:

1. Advanced Clinical Rotations—includes a Neuroscience Rotation (Adult or Pediatric Neurology) for students not previously completing Neurology. Also includes 2 Sub-Internships (one medical, one surgical) for all students and an Emergency Medicine rotation (if not already done).
2. Step II CK between April & Sept of MS-IV year; Step II CS to be completed NLT Nov of MS-IV year.
3. Military Contingency Medicine –Includes Operation Bushmaster (MFP 202)
4. Capstone Projects can range from 1-3 months in duration. Depending on student interests and/or the type of Capstone Project, work may start earlier and proceed in a contiguous or non-contiguous (i.e. asynchronous) time frame.

Questions?

Dr. Arnyce Pock

arnyce.pock@usuhs.edu

Room: D 3013-C

Phone: 295-9945

