



Pediatrics

OM7184

Clerkship Rotation Syllabus

CLASS OF	2024
DATES	2022-2023
CREDIT HOURS	4.0
CONTACT HOURS	160
ASSESSMENT TOOLS	Clinical Performance-Preceptor Evaluation(s) Cognitive (COMAT) Performance COMBANK Quiz Completion of Case Modules (32) Completion of Case Logs Completion of Student Evaluation of Rotation Submission of Mid Rotation Evaluation
TRANSCRIPT CATEGORIES	Honors/Pass/Fail
LOCATION	Rotation Site
CLERKSHIP DIRECTOR	Scott Cyrus, DO
COURSE COORDINATOR	Whitney Cano

Course Description

The Pediatrics core clerkship is a four (4) week experience served in an ambulatory setting. Some inpatient exposure may be available depending upon the assigned hub and practice. The clerkship affords students the opportunity to gain experience in providing health care to children. Emphasis will be placed on growth and development, wellness and prevention. Students will participate in the diagnosis and management of common illnesses of infants, children and adolescents, including community acquired infections. Each practice may have a unique profile of patients that will offer greater insight into a particular entity.

Course Goals

The overall goal of the Pediatrics Clerkship is to enable Burrell College of Osteopathic Medicine students to achieve basic competence as graduate osteopathic medical students in the care of children. As such, specific goals of the clerkship are:

1. Achievement of basic knowledge of growth and development (physical, physiologic and psychosocial) and of its clinical application from birth through adolescence.
2. Procurement of the knowledge necessary for the diagnosis and initial management of common pediatric acute and chronic illnesses.
3. An understanding of the approach of pediatricians to the health care of children and adolescents.
4. An understanding of the influence of family, community and society on the child in health and disease.
5. Development of communication skills that will facilitate the clinical interaction with children, adolescents and their families and thus ensure that complete, accurate data is obtained.
6. Development of competency in the physical examination of infants, children and adolescents.
7. Development of clinical critical thinking and problem-solving skills.
8. Development of strategies for health promotion as well as disease and injury prevention.
9. Development of the attitudes and professional behaviors appropriate for clinical practice.
10. The goals and learning objectives were developed with guidance from the Council on Medical Student Education in Pediatrics.

Course Objectives

Your learning objectives provide you with an educational template necessary to achieve the goals of your rotation. Clerkship objectives are developed based on a combination of perceived educational need, faculty/institutional resources, and proposed national curricular guidelines. The clerkship objectives should be available to all physicians serving as preceptors/clinical faculty members and directly involved in medical student education.

Your pediatric clerkship objectives will provide you with a framework for the clinical and nonclinical expectations that have been set for you by the clerkship director. In general, the majority of your rotation objectives will be met through direct patient care. Understanding objectives of your pediatric rotation will allow you to better understand the expectations that your clerkship director has set for you. Taken one step further, the achievement of your rotation goals and objectives will serve as the basis for your summative evaluation at the conclusion of your rotation and assist the clerkship director in determining your final clerkship grade. Reviewing your rotation objectives should not be viewed as a mere formality. The rotation objectives are presented in a core content area format linked to the Core Competencies, Burrell College of Osteopathic Medicine Guiding Principles and Entrustable Professional Activities.

Although some objectives could logically fall under multiple competencies, for the purpose of organization and clarity, each is placed in only one category. Common clerkship objectives include a list of core clinical skills that a student will be expected to complete or in which a student will be able to demonstrate some measure of proficiency by the conclusion of the rotation. These can include, but are not limited to, the following:

- Performing a complaint-directed H&PE
- Developing a case-specific differential diagnosis
- Presenting cases in a clear and concise fashion
- Demonstrating an understanding of use and interpretation of commonly ordered diagnostic studies
- Developing and assisting with implementation of appropriate case management plans
- Demonstrating an adequate fund of knowledge
- Demonstrating proficiency with basic procedural skills

As a medical student, you should also consider your own personal goals and objectives. Regardless of your intended career path, a pediatric rotation can expose you to interesting and diverse pathology. In summary, review your pediatric clerkship goals and objectives at the beginning of the rotation. Discuss your personal goals with your supervising physicians so that they may assist you in achieving them. Understanding what is expected of you is the first step in making your clinical experience the best that it can be.

Objective:	AOA Core Competencies	Programmatic Level Educational Objective
1. Demonstrate an ability to perform an age-appropriate history and physical examination in children of all ages	3	1,3,4
2. Describe the components of a pediatric health supervision visit including health promotion and disease and injury prevention, the use of screening tools, and immunizations	3	1,2
3. Demonstrate the ability to generate a pediatric age-appropriate differential diagnosis based on the interview and physical examination for common symptoms or patient presentations	3	1,4,5
4. Describe the clinical features of common pediatric acute and chronic medical conditions	2	1
5. Define therapies for common disease processes encountered in Pediatric	1	1
6. Present cases concisely, emphasizing the pertinent elements of the historical and physical findings, labs, treatments, and the biopsychosocial explanations for each problem	3	1,3,4,7
7. Recognize urgent/emergent situations and alert appropriate health care providers	3	1,4

8. Demonstrate professionalism, compassion, and empathy when communicating with patients, family and healthcare team members	1, 5	3,4
9. Demonstrate effective communication in the patient's chart by creating a comprehensive and pertinent legal document	4	4
10. Demonstrate a desire to learn by asking questions of faculty, fellow students, and team members	3	1,4,6
11. Exhibit the ability to recognize the patient is a whole person, and promote and integrate OMT into the clerkship.	1	2

Required Resources and Equipment

Supplemental Text:

- *Blue Prints Pediatrics, 7th edition, Marino Blackwell Publishing*
- *Pediatric Secrets 7th edition, Elsevier Publishing*
- *Nelson Essentials of Pediatrics 8th edition, Elsevier Publishing*
- *The Harriet Lane Handbook, 22nd edition, Elsevier Publishing*

Readings:

Required reading can be assigned during the pediatric clerkship.

Student Responsibilities Regarding Patient Supervision:

All medical activities involving medical students must be supervised by a licensed physician responsible for the care of the patient. The supervising physician has the responsibility for determining the level of supervision needed.

Equipment:

Students are required to bring their stethoscope to each rotation. Additional equipment will be recommended at the discretion of your site attending.

Academic Participation

Student responsibilities:

- **Aquifer:** The medical student will receive an invitation through "Aquifer" to complete registration, and instructions for the course content. Please select "Aquifer Pediatrics" and complete the 32 pediatric cases. **Completion of all 32 Aquifer Pediatric case modules is required by 5pm, the last Wednesday of the rotation.**
 - These electronic programs are the basis of education requirements during clinical rotations. Clinical Modules give structure to protected academic time and independent learning. For this purpose, Burrell College of Osteopathic Medicine makes available several web-based educational resources.

- The course coordinator will monitor the student's completion of each required module.
- **Patient Encounter and Procedure Logs:** Students must submit their completed Patient Encounter and Procedure Log electronically through New Innovations. **This case log must be entered into the New Innovations no later than 5pm on the last Wednesday of the rotation.**
- **Mid Rotation Evaluation by Preceptor:** The medical student is required to meet with their preceptor and have them complete a mid-point evaluation of their performance, for each rotation. This evaluation must be uploaded into Leo for Clerkship Directors to review **by 5pm the second Sunday of the rotation.**

For additional information, refer to [Student Clerkship Manual](#) and [Student Handbook](#).

Grading Information

Assignment of Grades

A grade for each rotation will be assigned by the Clerkship Director or her/his designee. A letter grade of P-Pass, F-Fail or H-Honors will be assigned for each core rotation. Elective rotations shall only be graded as P-Pass or F-Fail.

Elements of Rotation Grading

Each third-year core rotation will have seven (7)* elements contributing to the final grade and each element must be individually passed (including submissions with deadlines) to pass the clerkship:

- Clinical Performance-Preceptor Evaluation(s)
- Cognitive (COMAT) Performance
- COMBANK Quiz
- Completion of Case Modules
- Completion of Case Logs
- Submission of Mid Rotation Evaluation(s)
- Completion of Student Evaluation of Rotation(s)

Clinical performance will be graded by the supervising preceptor. This assessment includes eight (8) questions designed to assess academic skills and core competency acquisition. Grading on elective rotations will be solely determined by this assessment. Students are expected to achieve a score of 3, 4, or 5 for each domain. An average score of at least 2.85 on all observed skills and competencies must be obtained to pass this element.

In addition to the requirements above, students must receive a minimum score of three (3) on the preceptor's assessment of Professionalism (Question 5) to pass this element. Failure of this element will result in Professionalism Corrective Action.

Cognitive performance will be measured by the end-of-rotation COMAT exam. The NBOME provides a conversion table to obtain a percentile rank from the student's raw score. A percentile rank of 3 corresponds to a raw score of 81 and is -1.88 Standard Deviations below the national adjusted mean. A minimum raw score of 80 is needed to pass this element. Also, more than two cumulative failures of COMAT in different disciplines will result in a failure.

The students will have to pass, with at least 70%, the COMBANK Quiz in TrueLearn. This test is timed. In case of failure the student will have a chance to retake the quiz. The student will not be penalized for failing the quiz for the first time. **The passing grade for the quiz should be received by 5:00 PM the last Wednesday of the rotation in order to be eligible to sit for COMAT exam.** If a student fails the first attempt, one additional attempt will be granted before COMAT Friday. If this requirement is not met the student will fail the rotation. Also, more than two cumulative failures of COMBANK Quiz in different disciplines will result in a failure.

Clinical reasoning will be assessed through completion of the assigned online cases. Completion of all cases is required to pass this element. The student will not be permitted to sit for the COMAT exam if the cases are not completed **by 5:00 PM the last Wednesday of the rotation.**

Case logs: Students must submit their completed Patient Encounter and Procedure Log electronically through New Innovations **by 5pm, the last Wednesday of the Rotation.**

Mid-Rotation Evaluation by the Preceptor

This assessment includes eight (8) questions from the Clinical Performance evaluation, designed to assess academic skills and core competency acquisition. The purpose of this evaluation is for the student to receive feedback from the preceptor at the mid-point of the rotation, so they may improve over the course of the second half of the rotation. The student is responsible for obtaining this evaluation from their preceptor **at the end of week two of the rotation**, and it must be uploaded into Leo for the Clerkship Directors to review. The information gathered from this evaluation will not affect the student's final grade, but it is required to be uploaded to Leo **by 5pm the second Sunday of the rotation**.

Student Evaluation of the Preceptor/Site/Rotation

Students are required to complete evaluations on New Innovations regarding their rotation experience. Student feedback received from the evaluations will assist the Office of Clinical Education in the overall assessment and improvement of clinical rotations and the implementation of faculty development programs. An annual summary of student comments will be reported anonymously to preceptors and training sites to assist them in making improvements to the rotations that they provide. **The evaluations are to be completed by 5:00 PM on the last Wednesday of the rotation.**

Failure to complete each clerkship evaluation in a timely manner may result in a finding of non-professional conduct and may lead to a Professionalism Corrective Action.

Failure to pass any of the graded elements will result in a failure of a rotation.

All grades are final as recorded by the department and cannot be appealed or changed unless the student identifies a process error.

Semi-Annual Evaluation

All the students will receive a semiannual evaluation from their Hub Coordinator. The Hub Coordinator Evaluation will count towards the professionalism component and in case of failure the student may be required to go through the professionalism Corrective Action and be disqualified from Honors. The coordinators will have an option to submit a complaint form to the Office at the time of incident. The report will be reviewed by the office of Clinical Education and the student may be required to go through Professionalism Corrective Action.

Attainment of Honors

Attainment of Honors (H) for each core rotation will be limited to the highest performing 10% of the class based on cumulative points earned for the rotation. Honors for all core rotations will be determined at the end of the academic year when all final assessments have been recorded. The Clerkship Directors will identify the top 10 % of students who will receive the honors designation.

Failure of a Rotation and Remediation

A failure of any graded element as described herein will result in failure of the rotation. The requirements for remediation will be determined by the Clerkship Director. This may require a repeat of the COMAT exam and attainment of a minimum passing grade, completion of outstanding cases, or repeating all or part of the clerkship experience. When successfully completed, a remediated passing grade will be so designated on the student's final transcript. (For detailed information on Clerkship grading please see attached slides).

All Year 3 requirements must be successfully completed to advance to Year 4. The need to repeat any failed clinical rotations may result in a delay in graduation.

Course Communication

Students are expected to monitor their Burrell College of Osteopathic Medicine email and are responsible for all communications sent to their official email address. Students are also expected to monitor E-mail, LEO, New Innovations, and Aquifer.

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Policies and Procedures

Information regarding course grades, attendance (including excused absences), exam procedures, remediation, appeals, acceptable use of technology, honor code, professional attire, and related policies are stated in the current Student Handbook. Policies regarding non-discrimination, accommodations for disabilities, and Title IX are also referenced within the Student Handbook. All policies and procedures stated therein will apply during this course.

The [Student Handbook](#) may be accessed through the Burrell College of Osteopathic Medicine website.

For information regarding emergency or inclement weather, refer to the [Campus Safety and Security page](#) on the Burrell College of Osteopathic Medicine website.

For information regarding Clerkship Rotations, refer back to the [Student Clerkship Manual](#) on the Burrell College of Osteopathic Medicine Website.

Statement Regarding Reservation of Power

The curriculum, assignments, schedule, syllabus, and any information contained within the course can be altered or changed at any time. In the event of any alterations during the course, students will be informed officially through their Burrell College of Osteopathic Medicine email. It is the student's responsibility to obtain the changes or notices even if absent from class.

Appendix

A. Programmatic Level Educational Objectives

Graduates of the Burrell College of Osteopathic Medicine Doctor of Osteopathic Medicine degree program will be able to:

1. Integrate knowledge and skills acquired from the biomedical, clinical, social, and behavioral sciences to provide patient care in a supervised setting.
2. Demonstrate competence in the skills of osteopathic manipulative treatment and the application of osteopathic philosophy in patient care.
3. Demonstrate professionalism, characterized by honesty, integrity, ethical behavior, empathy, and responsibility.
4. Communicate effectively with patients, families, faculty, peers, and other members of the healthcare team.
5. Critically appraise, evaluate, and apply scientific evidence to inform patient care and research.
6. Demonstrate awareness of the roles and interactions of professionals within the healthcare system and identify resources to optimize patient care at the individual and community levels.
7. Identify the specific healthcare needs of diverse populations and the ways in which the medical community responds.

B. AOA Osteopathic Core Competencies

1. Osteopathic Philosophy and Osteopathic Manipulative Medicine
2. Medical Knowledge
3. Patient Care
4. Interpersonal and Communication Skills
5. Professionalism
6. Practice-Based Learning and Improvement
7. Systems-Based Practice



Assessment

The following is general information regarding rotation grading. Students are encouraged to review individual rotation syllabi for full details as to the grading rubric for that rotation.

Each third-year core rotation will have seven (7)* elements contributing to the final grade and each element **must be individually passed** (including submissions with deadlines) to pass the clerkship:

- Clinical Performance-Preceptor Evaluation(s)
- Cognitive (COMAT) Performance
- COMBANK Quiz
- Completion of Case Modules (*optional for OBGYN, unless COMAT failure)
- Completion of Case Logs
- Submission of Mid Rotation Evaluation(s)
- Completion of Student Evaluation of Rotation(s)

Any type of failure, including missed deadlines → NOT eligible for HONORS



Assessment continued

- First time failure of COMAT
 - Reassign COMAT, if passed successfully → P
 - If failed second time → Failure of the rotation (SPC) → PX (if allowed to remediate and passed on the third attempt)
- First time failure of evaluation
 - If a 4-week rotation (Peds, Psych, OBGYN, EM, Elective) → Failure of the Rotation (SPC) → PX (if allowed to remediate, and successfully remediated)
 - If an 8-week rotation (failure of first evaluation of IM, FM, or Surgery) → Referral to Clinical SPARC
 - If an 8-week rotation (failure of both evaluations of IM, FM, or Surgery) → Failure of the Rotation (SPC) → PX (if allowed to remediate, and successfully remediated)
 - Clerkship Director determines the final grade once both preceptor evaluations have been received for 8-week blocks.

Any type of failure → NOT eligible for HONORS

More than two cumulative failures of COMAT in different disciplines will result in a failure of the second specialty.



Assessment continued

- First time Professionalism Failure → Professionalism Corrective Action
 - Completion of Assignments by the deadline
 - Meeting with the Panel:
 - Associate Dean of Clinical Education or their designee
 - Professionalism Coach
 - Representative of Student Affairs
 - At least Two Clerkship Directors
 - Grade → P
- Second time Professionalism Failure → Rotation Failure (SPC) → PX (if allowed to remediate, and successfully remediated)

Any type of failure → NOT eligible for HONORS



Assessment continued HONORS DESIGNATION

- OBGYN, Peds, Psych, FM , IM, Surgery, EM
 - Top 10 % of students will receive honors
 - Both rotation of IM, FM, and Surgery will be used to determine honors eligibility

Any type of failure → NOT eligible for HONORS