OSTEOPATHIC MEDICINE (OMED)

OMED-510 Osteopathic Manipulative Medicine I (2 credits)
Osteopathic Manipulative Medicine I (OMM-1) is the foundational course introducing the concepts of osteopathic medicine, its practices (including diagnosis and palpatory skills), and principles. OMM-1 is part of a longitudinal OMM curriculum. Core skills to introduce include Osteopathic Structural Examination (OSE) skills for the entire body, as well as introductory levels of Osteopathic Manipulative Treatment (OMT) techniques. OMM-1 is designed to provide the student with a fundamental understanding of the principles, philosophies, and practice of osteopathic medicine. This builds a foundation of osteopathic knowledge and prepares the student to provide patients with an integrated approach to medical care recognizing the role of body, mind, and spirit in a patient-centered approach. It lays the foundation for life-long learning within the field of osteopathic medicine. The course is comprised of both didactic and laboratory components (1 credits didactic/ 1.5 credit laboratory). Both didactic and laboratory components need to be successfully passed to consider the course completed. The OMM-1 course will cover osteopathic approaches to problem solving and patient management, incorporating multiple osteopathic manipulative treatments as appropriate, including soft tissue, myofascial release, articulatory, counterstrain, and muscle energy treatments. The OMM courses are foundational and have been designed to provide the baseline cognitive knowledge and psychomotor skills necessary to practice as an osteopathic physician. Because of this, all information taught in the OMM courses is cumulative and may be revisited in each exam.

OMED-524 Essentials of Clinical Practice I (4 credits)
ECP-1 develops foundational clinical skills through an osteopathic lens that focuses upon: - Whole-person, patient-centered history taking - Introductory physical examination techniques (including osteopathic structural screening) - Professional communication - Physician well-being Students learn to formulate focused clinical questions through searching and appraising medical literature while applying introductory biostatistics to interpret evidence and diagnostic tests. Formational constructs for physician well-being and professional identity are braided throughout the course with practical self-care strategies (e.g., ergonomics for palpation, boundaries, reflective practice) that support sustainable, compassionate care. Learning occurs via small-group skills labs, standardized patient encounters, medical simulation, and team-based evidenced-based practice activities. ECP-1 is the first in a four-course sequence that progressively advances clinical reasoning, examination proficiency, evidence integration, and readiness for clerkships.

OMED-540 Life-Long Learning Community I (2 credits)
Lifelong Learning & Community (L3C) course is a longitudinal course designed to support the development of self-directed learning, professional identity, and community engagement in osteopathic medical students. The course reinforces concurrent preclinical coursework through required self-directed learning activities, including assigned Lecturio modules and faculty-developed question sets to promote knowledge consolidation and board-style reasoning. In parallel, students participate in structured community engagement experiences across clinical and service-oriented settings, including organizations such as Catholic Charities, to develop an understanding of social determinants of health and systems-based care. The course incorporates guided reflection and faculty advising to support ongoing professional development, self-assessment, and lifelong learning. Assessment is based on student engagement across academic, community, and professional domains.

OMED-550 Foundations Of Medicine I (11 credits)
Foundations of Medicine I (FOM-1) introduces OMS-I students to the foundational biomedical sciences essential for the study and practice of osteopathic medicine. The course emphasizes normal human structure and function while establishing the scientific basis for disease processes addressed in subsequent systems-based coursework. FOM-1 integrates gross anatomy (including embryology and histology), physiology, cell biology, genetics, introductory pathology, and pharmacologic principles using a regionally organized framework. Instruction is delivered through didactic lectures, anatomy laboratory experiences, case-based learning, and faculty-guided review sessions, with consistent attention to clinical relevance and early application to patient care. Upon completion of FOM-1, students will have developed a foundational understanding of the human body, an introductory framework for mechanisms of disease, and the professional behaviors required for effective participation in laboratory and small-group learning environments. The course provides a foundational platform for subsequent Foundations of Medicine courses and organ-system-based instruction throughout the preclinical curriculum.

OMED-551 Foundations of Medicine II (6 credits)
Foundations of Medicine 2 (FOM-2) builds upon the principles introduced in Foundations of Medicine I and advances the integrated study of biomedical sciences essential for osteopathic medical education. The course emphasizes metabolic processes, host defense mechanisms, infectious disease principles, population health, and regional anatomy, reinforcing the scientific basis for disease processes addressed in subsequent systems-based coursework. FOM-2 integrates Foundations of Metabolic Biochemistry, Medical Immunology, Integrated Medical Bacteriology, Population Health and Epidemiology, and regionally organized anatomy of the abdomen, pelvis, and reproductive systems. Instruction is delivered through large-group sessions, anatomy laboratory experiences, team-based learning activities, and structured review sessions, with continued emphasis on clinical relevance and application to patient-centered scenarios. Upon completion of FOM-2, students will demonstrate an integrated understanding of metabolic regulation, immune function, microbial pathogenesis, and population-level determinants of health, while further developing competence in regional anatomy and laboratory-based learning. The course serves as a critical bridge between foundational biomedical sciences and organ-system based instruction within the preclinical curriculum.

Prerequisite(s): Take OMED-550

OMED-560 Osteopathic Manipulative Medicine II (3 credits)
Osteopathic Manipulative Medicine 2 (OMM-2) will continue the osteopathic medical students' development of the foundational concepts of osteopathic medicine, as well as the diagnosis and palpatory skills that are part of DYU-COM's longitudinal OMM curriculum. Additionally, OMM-2 will expand upon the Osteopathic Structural Examination (OSE) of different body regions combined with Osteopathic Manipulative Treatment (OMT) techniques. OMM-2 is designed to inculcate within the OMS a fundamental understanding of the principles, philosophies, and practice of osteopathic medicine. This creates a solid foundation of osteopathic knowledge and prepares the student to provide patients with an integrated approach to medical care recognizing the role of body, mind, and spirit in a patient-centered approach. The OMM curriculum is designed to lay the foundation for life-long learning within the practice of osteopathic medicine. The course is comprised of both didactic and laboratory components (1 credits didactic/ 1.5 credit laboratory). Both didactic and laboratory components need to be successfully passed to consider the course being completed. The OMM-2 course will cover osteopathic approaches to problem solving and patient management, incorporating multiple OMT including soft tissue, myofascial release, articulatory, balanced ligamentous tension, Still's, and muscle energy treatment techniques. The OMM courses are foundational and have been designed to provide the baseline cognitive knowledge and psychomotor skills necessary to practice as an osteopathic physician. Because of this, all information taught in the OMM courses is cumulative and may be revisited in each exam.

Prerequisite(s): Take OMED-510

OMED-574 Essentials Of Clinical Practice II (4 credits)
Essentials Of Clinical Practice 2 (ECP-2) deepens foundational clinical skills through an osteopathic lens that focuses upon: - Whole person, patient centered history taking - Introductory physical examination techniques (including osteopathic structural screening) - Professional communication - Physician well-being Students learn to formulate focused clinical questions through searching and appraising medical literature while applying biomedical knowledge to interpret evidence and diagnostic tests. Close association with the curriculum in systems augments ECP-2 as it focuses on physical diagnosis. Learning occurs via small group skills labs, standardized patient encounters, medical simulation, and team based evidenced-based practice activities. ECP2 is the second in a four course sequence that progressively advances clinical reasoning, examination proficiency, evidence integration, and readiness for clerkships. course sequence that progressively advances clinical reasoning, examination proficiency, evidence integration, and readiness for clerkships.

Prerequisite(s): Take OMED-524

OMED-591 Systems and Specialties I (2 credits)
Systems and Specialties is an integrated, semester-long course designed to advance students' understanding of human health and disease through a comprehensive systems-based and specialty-focused framework. Building on foundational biomedical knowledge, the course emphasizes the application of osteopathic principles and practice (OPP) across a wide range of clinical disciplines. Students will begin to explore the first major organ system: the musculoskeletal system. The curriculum integrates pathophysiology, clinical reasoning, diagnostic methods, therapeutics, and preventive care, with a dedicated focus on the structural and functional relationships central to osteopathic medicine. Learning experiences include didactic lectures, case discussions, clinical correlations, and exposure to specialty-specific perspectives. Throughout the course, students will develop a holistic clinical mindset, strengthen interdisciplinary communication skills, and refine their ability to apply osteopathic tenets to both general and specialty-focused patient care.

OMED-592 Systems and Specialties II (7 credits)
Systems and Specialties is an integrated, semester-long course designed to advance students' understanding of human health and disease through a comprehensive systems-based and specialty-focused framework. Building on foundational biomedical knowledge, the course emphasizes the application of osteopathic principles and practice (OPP) across a wide range of clinical disciplines. Students will explore major organ systems-including endocrine, musculoskeletal, neurologic, psychiatry, infectious disease, otolaryngology, and ophthalmology while concurrently examining how various medical and surgical specialties approach diagnosis, management, and patient care within each system. The curriculum integrates pathophysiology, clinical reasoning, diagnostic methods, therapeutics, and preventive care, with a dedicated focus on the structural and functional relationships central to osteopathic medicine. Learning experiences include didactic lectures, case discussions, clinical correlations, and exposure to specialty-specific perspectives. Throughout the course, students will develop a holistic clinical mindset, strengthen interdisciplinary communication skills, and refine their ability to apply osteopathic tenets to both general and specialty-focused patient care.

Prerequisite(s): Take OMED-591

OMED-595 Lifelong Learning & Community II (2 credits)
Lifelong Learning & Community 2 (L3C-2) is a longitudinal course designed to reinforce foundational medical knowledge while advancing clinical reasoning, professional identity formation, and community engagement. The course integrates structured academic reinforcement aligned with Foundations of Medicine (FOM-2), Systems courses (SAS-2), and Early Clinical Practice (ECP-2), alongside experiential learning in community-based settings. Through guided self-directed learning, question-based review, and reflective practice, students consolidate biomedical and clinical concepts while developing habits essential for lifelong learning and professional growth..

Prerequisite(s): Take OMED-540

OMED-601 Foundations of Medicine III (3 credits)
Foundations of Medicine 3 (FOM-3) builds upon the integrated biomedical principles established in Foundations of Medicine 1 and 2 and advances students' understanding of complex metabolic processes, disease mechanisms, and systems-level integration within osteopathic medical education. The course emphasizes advanced metabolism, including lipid metabolism and regulatory pathways, and reinforces the scientific foundations underlying clinical pathophysiology. FOM-3 integrates advanced biochemical concepts with systems-based clinical correlations and population health perspectives. Instruction is delivered through large-group sessions, integrated case discussions, and structured review activities designed to promote higher-order clinical reasoning and application of foundational science to patient-centered scenarios. Upon completion of FOM-3, students will demonstrate an advanced understanding of metabolic regulation and disease mechanisms, an enhanced ability to integrate foundational science concepts across systems, and continued development of analytical and professional skills necessary for transition into organ-system-based coursework and subsequent clinical training.

Prerequisite(s): Take OMED-551

OMED-610 Osteopathic Manipulative Medicine III (2.5 credits)
Osteopathic Manipulative Medicine 3 (OMM-3) will continue the osteopathic medical students' development of the foundational concepts of osteopathic medicine, as well as the diagnosis and palpatory skills that are part of DYU-COM's longitudinal OMM curriculum. Additionally, OMM-3 will expand upon the Osteopathic Structural Examination (OSE) of different body regions combined with Osteopathic Manipulative Treatment (OMT) techniques. OMM-3 is designed to inculcate within the OMS a fundamental understanding of the principles, philosophies, and practice of osteopathic medicine. This creates a solid foundation of osteopathic knowledge and prepares the student to provide patients with an integrated approach to medical care recognizing the role of body, mind, and spirit in a patient-centered approach. The OMM curriculum is designed to lay the foundation for life-long learning within the practice of osteopathic medicine. The course is comprised of both didactic and laboratory components (1 credits didactic/ 1.5 credit laboratory). Both didactic and laboratory components need to be successfully passed to consider the course being completed. The OMM-3 course will cover osteopathic approaches to problem solving and patient management, incorporating multiple OMT including soft tissue, myofascial release, articulatory, balanced ligamentous tension, Still's, and muscle energy treatment techniques. The OMM courses are foundational and have been designed to provide the baseline cognitive knowledge and psychomotor skills necessary to practice as an osteopathic physician. Because of this, all information taught in the OMM courses is cumulative and may be revisited in each exam.

Prerequisite(s): Take OMED-560

OMED-630 Essentials Of Clinical Practice III (3 credits)
ECP-3 completes the series for essential clinical skills through an osteopathic lens that focuses upon: - Whole person, patient centered history taking - Physical examination techniques (including osteopathic structural screening) - Professional communication - Physician well-being Students learn to strengthen their approach in physical assessment and diagnosis through continued align in the systems course which investigate pathophysiologic illness and disease. The student will continue to deepen understandings in clinical reasoning, critical thinking, and problem solving in preparation for clinical clerkships. The student should be able to appreciate a broader wealth of knowledge and skill as this third course strives to impact their essential skills in clinical practice prior to entering clinical clerkships. Learning occurs via small group skills labs, standardized patient encounters, medical simulation, and team-based evidenced-based practice activities. The course is designed to advance clinical reasoning, examination proficiency, evidence integration, and readiness for clerkships.

Prerequisite(s): Take OMED-574

OMED-632 Systems and Specialties III (8 credits)
Systems and Specialties is an integrated, semester-long course designed to advance students' understanding of human health and disease through a comprehensive systems-based and specialty-focused framework. Building on foundational biomedical knowledge, the course emphasizes the application of osteopathic principles and practice (OPP) across a wide range of clinical disciplines. Students will explore major organ systems-including obstetrics & gynecology, cardiovascular, pulmonology, gastroenterology, nephrology, urology, and dermatology while concurrently examining how various medical and surgical specialties approach diagnosis, management, and patient care within each system. The curriculum integrates pathophysiology, clinical reasoning, diagnostic methods, therapeutics, and preventive care, with a dedicated focus on the structural and functional relationships central to osteopathic medicine. Learning experiences include didactic lectures, case discussions, clinical correlations, and exposure to specialty-specific perspectives. Throughout the course, students will develop a holistic clinical mindset, strengthen interdisciplinary communication skills, and refine their ability to apply osteopathic tenets to both general and specialty-focused patient care.

Prerequisite(s): Take OMED-592

OMED-645 Lifelong Learning & Community III (2 credits)
Lifelong Learning & Community III (L3C-3) is a longitudinal course designed to reinforce and integrate foundational and systems-based medical knowledge through structured academic review, while advancing clinical reasoning, professional identity formation, and community engagement. The course aligns with Foundations of Medicine (FOM-3), Systems courses (SAS-3), and Early Clinical Practice (ECP-3), emphasizing application of knowledge in clinically relevant contexts. Through guided self-directed learning, question-based review, and reflective practice, students consolidate complex biomedical and clinical concepts while refining diagnostic reasoning and preparing for board-style assessments. Concurrent community-based experiential learning and structured reflection support the development of professionalism, systems-based practice, and a commitment to patient-centered care.

Prerequisite(s): Take OMED-595

OMED-660 Osteopathic Manipulative Medicine IV (2 credits)
Osteopathic Manipulative Medicine 4 (OMM-4) will continue the osteopathic medical students' development of the foundational concepts of osteopathic medicine, as well as the diagnosis and palpatory skills that are part of DYU-COM's longitudinal OMM curriculum. Additionally, OMM-4 will expand upon the Osteopathic Structural Examination (OSE) of different body regions combined with Osteopathic Manipulative Treatment (OMT) techniques. OMM-4 is designed to inculcate within the OMS a fundamental understanding of the principles, philosophies, and practice of osteopathic medicine. This creates a solid foundation of osteopathic knowledge and prepares the student to provide patients with an integrated approach to medical care recognizing the role of body, mind, and spirit in a patient-centered approach. The OMM curriculum is designed to lay the foundation for life-long learning within the practice of osteopathic medicine. The course is comprised of both didactic and laboratory components (1 credits didactic/ 1.5 credit laboratory). Both didactic and laboratory components need to be successfully passed to consider the course being completed. The OMM-4 course will cover osteopathic approaches to problem solving and patient management, incorporating multiple OMT including soft tissue, myofascial release, articulatory, balanced ligamentous tension, Still's, and muscle energy treatment techniques. The OMM courses are foundational and have been designed to provide the baseline cognitive knowledge and psychomotor skills necessary to practice as an osteopathic physician. Because of this, all information taught in the OMM courses is cumulative and may be revisited in each exam.

Prerequisite(s): Take OMED-610

OMED-661 FOUNDATIONS OF MEDICINE IV (1 credits)
Foundations of Medicine 4 (FOM-4) is the final course in the Foundations of Medicine sequence and serves as a third-pass, case-based integration experience designed to consolidate knowledge acquired in FOM-1 through FOM-3. The course emphasizes clinically applied mechanisms of disease, epidemiology, and pharmacologic reasoning across major organ systems in common and high-yield clinical presentations. FOM-4 is delivered through structured, case-based sessions in which faculty facilitate analysis of complex clinical scenarios, and students actively integrate prior knowledge while refining clinical reasoning and problem-solving skills. The course includes a focused three-week module in epidemiology and population health, emphasizing application of biostatistical reasoning, disease patterns, and evidence-based decision-making within clinically relevant contexts. Instruction is organized into ten extended blocks that promote sustained reasoning, systems-level integration, and pattern recognition reflective of clinical decision-making. FOM-4 functions as a capstone within the preclinical curriculum and provides a bridge to advanced systems-based instruction and clinical training.

Prerequisite(s): Take OMED-601

OMED-672 Systems and Specialties IV (7 credits)
Systems and Specialties IV is an integrated, semester-long course designed to advance students' understanding of human health and disease through a comprehensive systems-based and specialty-focused framework. Building on foundational biomedical knowledge, the course emphasizes the application of osteopathic principles and practice (OPP) across a wide range of clinical disciplines. Students will explore major organ systems-including hematology & oncology, rheumatology, pediatrics, surgery, critical care & emergency medicine while concurrently examining how various medical and surgical specialties approach diagnosis, management, and patient care within each system. The curriculum integrates pathophysiology, clinical reasoning, diagnostic methods, therapeutics, and preventive care, with a dedicated focus on the structural and functional relationships central to osteopathic medicine. Learning experiences include didactic lectures, case discussions, clinical correlations, and exposure to specialty-specific perspectives. Throughout the course, students will develop a holistic clinical mindset, strengthen interdisciplinary communication skills, and refine their ability to apply osteopathic tenets to both general and specialty-focused patient care.

Prerequisite(s): Take OMED-632

OMED-682 Essentials of Clinical Practice IV (2 credits)
ECP-4 completes the series for essential clinical skills through an osteopathic lens that focuses upon: - Whole person, patient- centered history taking - Physical examination techniques (including osteopathic structural screening) - Professional communication - Physician well-being Students learn to strengthen their approach in physical assessment and diagnosis through continued alignment in the system-focused courses which investigate pathophysiologic illness and disease. The student will continue to deepen understandings in clinical reasoning, critical thinking, and problem solving in preparation for clinical clerkships. The student should be able to appreciate a broader wealth of knowledge and skill as this final course strives to impact their essential skills in clinical practice prior to entering clinical clerkships. Learning occurs via small group skills labs, standardized patient encounters, medical simulation, and team-based practice activities. The course is designed to advance clinical reasoning, examination proficiency, evidence integration, and readiness for clerkships.

Prerequisite(s): Take OMED-630

OMED-690 Lifelong Learning & Community IV (1 credits)
Lifelong Learning & Community 4 (L3C-4) is a longitudinal course designed to reinforce and integrate advanced clinical and systems-based knowledge through structured academic review, while supporting preparation for board examinations and transition to clinical training. The course aligns with Foundations of Medicine (FOM-4), Systems courses (SAS-4), and Early Clinical Practice (ECP-4), emphasizing high-yield clinical integration and diagnostic reasoning across major organ systems. Through guided self-directed learning, question-based review, and targeted reinforcement of core concepts, students consolidate knowledge in clinically relevant and board-style contexts. Concurrent community engagement and reflective practice support continued development of professionalism, systems-based practice, and patient-centered care as students prepare for entry into clinical rotations.

Prerequisite(s): Take OMED-645