

## DMS COURSE DESCRIPTIONS

### **DMS-800 Research Design & Writing for the Health Professional** (1 credit hour)

The purpose of this course is to help students develop and refine their knowledge about conducting literature reviews and action research projects centered on pertinent topics, issues, and concerns in the practice of health maintenance, the provision of healthcare services, or medical education. Students will identify a research topic, develop a problem statement, and one or more high-quality research questions to guide their research. In addition, students will learn how to use Microsoft Word, Zotero, and style sets to help them develop and practice their skills in writing for the medical community.

### **DMS 812: Medical Conference I** (3 credit hour)

The student will attend on-campus training in the use of ultrasound and its application to common ultrasound-guided diagnostics and procedures, such as a FAST exam, vascular access, and identification of DVT, pneumothorax, fractures, foreign bodies, retinal detachment, abscess I&D, and more.

### **DMS 820: Medical Science Module I- Nephrology** (3 credit hours)

The course takes a systematic approach to advanced clinical Nephrology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

### **DMS 821: Medical Science Module II- Neurology** (3 credit hours)

The course takes a systematic approach to advanced clinical Neurology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

### **DMS 822: Medical Science Module III- Psychiatry** (3 credit hours)

The course takes a systematic approach to advanced clinical Psychiatry. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

### **DMS 823: Medical Science Module IV- Pulmonology** (3 credit hours)

The course takes a systematic approach to advanced clinical Pulmonology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

### **DMS 824: Medical Science Module V- Cardiology** (3 credit hours)

The course takes a systematic approach to advanced clinical Cardiology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

**DMS 825: Medical Science Module VI- Gastroenterology (3 credit hours)**

The course takes a systematic approach to advanced clinical Gastroenterology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

**DMS 826: Medical Science Module VII- Endocrinology (3 credit hours)**

The course takes a systematic approach to advanced clinical Endocrinology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

**DMS 827: Medical Science Module VIII- Hematology (3 credit hours)**

The course takes a systematic approach to advanced clinical Hematology. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

**DMS 828: Medical Science Module IX- Infectious Disease (3 credit hours)**

The course takes an advanced systematic clinical approach to Infectious Disease. The epidemiology, pathophysiology, diagnosis, and management of system diseases, as they relate to primary care will be evaluated. The course will integrate relevant clinical anatomy, imaging, and pharmacotherapy to maximize the student's applicability in clinical practice.

**DMS 889 Scholarship in the Practice of Medicine I (1 credit hour)**

In this course, students will learn about survey research, the nature and structure of documents describing action research and literature reviews, and will examine methodologies researchers in the medical field commonly use to conduct qualitative and quantitative research. Additional foci will include: (a) different strategies for collecting data; (b) using Excel as a data organization, manipulation, basic analysis, and preparation tool; (c) critiquing published research, and (d) the cautions and procedures required of researchers who conduct research that involves human subjects.

**DMS 900: Scholarship in the Practice of Medicine (1 credit hour)**

This course focuses on helping students execute their research by (a) collecting, organizing, and analyzing their data; (b) organizing and documenting their findings; (c) completing at least one draft of their complete document and receiving at least one round of feedback from the instructor. During the course, the instructor will introduce students to various applications that help researchers analyze and interpret data collected through both qualitative and quantitative designs. Course topics will include issues surrounding professionalism and ethics as they relate to designing, conducting, analyzing, and reporting research related to the teaching and practice of medicine. The course will also include instruction in the effective use of PowerPoint, which can be used in the presentation of the student's final research project.

**DMS 910 Adult Learning Principles (3 credit hours)**

Learning is in every component of the human experience. Understanding how adults learn and apply expertise to practical everyday situations provides the student opportunities to broaden understandings regarding the capacity of the human mind, what motivates learning and empowers others. This course introduces the student to the theory and practice of adult education emphasizing those theories, models, and principles applied to the workplace and other adult learning venues. Students will explore adult learning in different contexts and become acquainted with relevant issues as well as the philosophies and methodologies utilized within adult education.

**DMS 911 Perspective and Strategies in Teaching and Learning (3 credit hours)**

The focus of this course is on examining the symbiotic relationship between teaching and learning (instructor-student) in the framework of higher education programs. The instructor and students will introduce and model various research-based strategies and learning and instruction theories regarding their nature and use. Students will also explore issues surrounding the effective use of different instructional strategies in teacher-student interactions.

**DMS 912 Group Methods and Processes (3 credit hours)**

This course focuses on communication skills for upper-level education leaders. Students will explore group dynamics, communication within groups, controversy and creativity, managing conflict, and team development. Students will apply course concepts through self-analysis, teamwork, case studies, action research projects, and simulations. Other course concepts will include group goals, social interdependence and trust, power, decision-making, and diversity.

**DMS 914 Organizational Assessment and Evaluation (3 credit hours)**

The content of this course focuses on the processes associated with different models and approaches to program evaluation, problem identification and formulation, and the factors that impact assessment and evaluation in organizations. Considerations will include analytical procedures associated with developing and maintaining learning organizations with the goal of establishing sustained quality improvement based on data acquisition, analysis, and distribution among stakeholders. Students will research, discuss, and describe how to implement standards and methods associated with managing quality within social organizations and will compare and contrast those with equivalent approaches in manufacturing systems.