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 829: Advanced Clinical Rheumatology (3 credit hours)
The course takes a systematic approach to advanced clinical Rheumatology. 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 II (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 effective use of PowerPoint, which can be used in the presentation of the student's final research project.

DMS 930: Clinical Application in Primary Care (6 credit hours)
The course seeks to build on the clinical knowledge achieved in the medical science modules and to develop clinical reasoning skills for professional practice in primary care. A variety of clinical case scenarios of undifferentiated patient complaints will develop and enhance each practitioner's critical thinking skills and enhance the breadth and depth of medical knowledge.

Students will be challenged to work through cases and provide their clinical reasoning to peers and faculty through discussion boards and video conferencing. These cases draw from a variety of clinical settings and have a broad application to patient care.

DMS 930 - E: Clinical Application in Emergency Medicine (6 credit hours)
The course seeks to build on the clinical knowledge achieved in the medical science modules and to develop clinical reasoning skills for professional practice in emergency medicine. A variety of clinical case scenarios of undifferentiated patient complaints will develop and enhance each practitioner's critical thinking skills and enhance the breadth and depth of medical knowledge.

Students will be challenged to work through cases and provide their clinical reasoning to peers and faculty through discussion boards and video conferencing. These cases will require care from the emergency medicine clinician's perspective. The student will develop knowledge and skills for practice in the emergency room.

DMS 930 - I: Clinical Application in Internal Medicine (6 credit hours)
The course seeks to build on the clinical knowledge achieved in the medical science modules and to develop clinical reasoning skills for professional practice in hospital medicine. A variety of clinical case scenarios of undifferentiated patient complaints will develop and enhance each practitioner's critical thinking skills and enhance the breadth and depth of medical

Students will be challenged to work through cases and provide their clinical reasoning to peers and faculty through discussion boards and video conferencing. These cases will require care from the hospitalist's perspective. The student will develop knowledge and skills for practice in the hospital setting.

DMS 940: Clinical Residency (6 credit hours)
The residency is designed to enhance the student's application of clinical knowledge and skills while employed and practicing in the clinical setting. The student will demonstrate competency development in the six core competency areas of patient care; medical knowledge; practice-based learning and improvement; interpersonal and communication skills; professionalism; and systems-based practice. Additionally, this course will encourage the student to explore ways to overcome the common threats to successful clinical practice, such as provider burnout, work satisfaction, lack of resource access and more.