COURSE DESCRIPTION

Students are introduced to the basic components and approaches of research in medicine and science. The course focuses on the skills and knowledge required to be an informed consumer of published medical research as it can inform TCM clinical practice. Students will learn the skills and ideas of developing a well-crafted study question; conducting an online literature review; identifying a population of research interest; selecting a representative sample; ethical issues involved in research; designing an appropriate methodology (study design); data collection and data analysis; knowledge of academic peer review process. This course explores qualitative, quantitative and "mixed methods" approaches to OM Research and evaluates the future needs for research within TCM.

LEARNING OBJECTIVES

During the course, the student will develop and report on an original research proposal by completing the following course objectives and strategies:
• Selecting a TOM research title/topic.
• Defining a research Problem, Purpose, and Research Questions; Operational Definitions; Limitations and Delimitations; Assumptions; Statement of Significance.
• Introducing, summarizing, evaluating and discussing Related Literature reviewed for the research proposal.
• Identifying and selecting a Sample from the research Population, selecting appropriate research quantitative/qualitative Methods and Tools; collecting, analyzing and presenting the Data/Findings for the research proposal.
• Exploring the basics of preparing a research grant proposal.
• Examining Future Trends and Issues in TOM research.

COURSE PREREQUISITIES

Fundamentals of Oriental Medicine

REQUIRED TEXTS


RECOMMENDED TEXTS

COURSE REQUIREMENTS

Out-of-Class Work
To successfully complete the program, students need to plan studying a minimum of 2 hours out-of-class for each academic in-class hour; and half an hour out-of-class for each hour of clinical training.

Article Presentation = 50%
Final exam = 50%

GRADING SCALE: 100-90% A, 89-80% B, 79-70% C, 69% and below F
EMPEROR’S COLLEGE  
MTOM COURSE SYLLABUS  
INTRODUCTION TO O.M. RESEARCH  

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**SPECIAL NOTES**

No texting or phone use permitted in class. No video recording is permitted under any circumstances.

**Professionalism and Full and Prompt Attendance:** To pass any course (separate from academic performance) all students must meet requirements for professionalism in coursework. Professionalism includes full and prompt attendance: Students who miss more than 2 class meetings in a 10-week course will earn an F in that course. Additionally, students who arrive more than 15 minutes to class or leave class before it ends will be marked tardy. Two tardies equal one absence. NOTE: Students who leave and return to class late from a break or leave during the class (especially if this is repeated) or who disrupt the class in other ways may be referred to the Academic Dean for professionalism.

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**CLASS ONE** (The syllabus is subject to change at the discretion of the instructor.)  
(Database & Literature Review)
(An Introduction to Research)
STRICTA exercise

**CLASS TWO**
Weekly Quiz #1
The Scientific Paper

**CLASS THREE**
Weekly Quiz #2
Evidence-Based Medicine and the Evidence Informed Practice

**CLASS FOUR**
Weekly Quiz #3
Biostatistics and Data Analysis

**CLASS FIVE**
Weekly Quiz #4
Research Study Designs

**CLASS SIX**
Weekly Quiz #5
Epidemiology

**CLASS SEVEN**
Weekly Quiz #6
Populations & Samples

**CLASS EIGHT**
Weekly Quiz #7
Outcomes & Validation Instruments

**CLASS NINE**
Weekly Quiz #8
Article Review Presentation – Group 1

**CLASS TEN**
Article Review Presentation – Group 2
CLASS ELEVEN
Final Examination

REFERENCE MATERIAL
Please contact Dr. Downie with questions at docdownie.emperors@gmail.com
Check for Course notes, materials and Course Manual links at EmperorsWesternScience.wordpress.com

FACULTY INFO

Downie, Patrick
Please check with instructor during class to get updated contact info.
312.569.0747
docdownie.emperors@gmail.com

Dr. Downie graduated from National College of Chiropractic in Lombard, Illinois in 1996 and pursued additional clinical training in orthopedics and neurology. He was Co-Director of a NIH CAM research grant at Rush University College of Nursing, practiced as a staff Chiropractor at Northwestern Medicine's Center for Integrative Medicine, and served as both a professor and Bioscience Department Chair at Pacific College of Oriental Medicine, in Chicago for over a decade. Dr. Downie is an active member of the American Association of Anatomists. Please contact Dr. Downie with questions at docdownie.emperors@gmail.com or text 312.569.0747