EMPEROR’S COLLEGE
MTOM COURSE SYLLABUS
INTRODUCTION TO O.M. RESEARCH

Dr. Downie
Summer 2017

OM340
2 Units

Course Code

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. 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 OM 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 OM research

COURSE PREREQUISITIES

Fundamentals of Oriental Medicine

REQUIRED TEXTS


RECOMMENDED TEXTS

None

COURSE REQUIREMENTS

Article Presentation = 50%
Final exam = 50%

GRADING SCALE: 100-90% A, 89-80% B, 79-70% C, 69% and below F

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 or 1 class meeting in a 7-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 given ½ absence towards attendance. 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 earn an F in that class and/or be referred to the Academic Dean for professionalism.

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

**CLASS TWO**
The Scientific Paper

**CLASS THREE**
Evidence-Based Medicine and the Evidence Informed Practice

**CLASS FOUR**
Biostatistics and Data Analysis

**CLASS FIVE**
Research Study Designs

**CLASS SIX**
Epidemiology

**CLASS SEVEN**
Populations & Samples

**CLASS EIGHT**
Outcomes & Validation Instruments

**CLASS NINE**
Article Review Presentation – Group 1 [Attendance Mandatory]

**CLASS TEN**
Article Review Presentation – Group 2 [Attendance Mandatory]

**CLASS ELEVEN**
Final Examination

**REFERENCE MATERIAL**
will be provided as necessary

**FACULTY INFO**

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