

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

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

1. J. Forister and J. Blessing (2015). Introduction to Research and Medical Literature for Health Professionals (4th ed.). Jones & Bartlett Learning ISBN-13: 978-1284034646
2. Urdan, T. (2010). Statistics in Plain English, 3rd edition. Routledge ISBN-13: 978-0415872911
3. Greenhalgh, T. (2014). How to Read a Paper: The Basics of Evidence-Based Medicine. 5th edition. BMJ Books ISBN-13: 978-1118800966

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.

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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