

Course Syllabus of Sixth Semester Academic term- 6th Semester

Course Title:	EMS Research and Evidence Based Practice
Course Code:	EMS 423
Total Credits:	2; (2 Actual Theory, and 0 Actual Practical)
Faculty member:	Dr. Osama A Samarkandi
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Course Objectives:

- Understand the fundamentals of research including ethics, research design, data collection techniques, and analysis.
- Formulate a research question and translate it into an empirical step-by-step approach for working with data.
- Discuss research process and various research methodologies
- Determine if the literature review establishes the need for conducting the research.
- Identify the population(s) being studied.
- Apply mathematical basics of statistics to analyze collected data
- Identify the limitations of the study.
- Discuss the steps of Evidence Based Practice Process
- Identify the hierarchy of evidences for interventions and barriers to evidence based practice
- Advocate dissemination of recent trends and evidences in emergency care through research

Recommended text:

An Introduction to EMS Research (1st Ed). Brown, Lawrence H., Criss, Elizabeth A., Prasad, N. Heramba, (2001). Pearson. New York.

ISBN-10: 013018683X & ISBN-13: 978-0130186836

مقدمة في بحوث الخدمات الطبية الطارئة (الطبعة الأولى). تأليف: لورانس، هـ. براون، إ. كريس، أ. هيرامبا، ب. ترجمة: سمرقندي، أ. (٢٠١٨). دار جامعة الملك سعود للنشر.

References:

Paramedic Care: Principles & Practice, Medical Emergencies (3rd Ed) Volume 3, By; Bryan E. Bledsoe, Robert S. Porter MA EMT-P, Richard A. Cherry MS EMT-P.

الرقم

التاريخ

المرفقات

Course Schedule:

Week No.	Topics and activities
Week 1	Introduction to EMS Research
Week 2	Research Process
Week 3	Ethical Consideration
Week 4	Choosing a Research Topic
Week 5	Defining the Question and Formulating a Hypothesis
Week 6	Conducting a Literature Review
Week 7	Conducting a Literature Review
Week 8	**** Midterm Exam ****
Week 9	Sample Selection
Week 10	Writing an Abstract
Week 11	Writing an Abstract
Week 12	Conducting a Pilot Study
Week 13	Implementing the Study and Collecting Data
Week 14	Describing and Analyzing the Data
Week 15	Research Documentation and Publication
Week 16	** Projects Presentations**
Week 17	**** Final Examination ****

Grading Assessment:

Item	Percentage	Remarks
Project	20%	①
Project Presentation	10%	② & ③
e-Library Project	10%	
Midterm Examination	20%	
Final Examination	40%	
Total	100%	

- ①: To be evaluated by PSCEMS's faculty member.
- ②: Groups and team work are encouraged,
- ③: Innovated projects are high recommended.