

School of pharmacy

Department

Course title: **Principles and basics of advanced research method**

Credit (Theory or Practical): **2 Theory**

Prerequisite: -----

Course Lecturers: Dr. Shariatpanahi- Dr. Abdollahi -Dr. Aghamiri -Dr. Safaeinejad

Responsible Lecturer: **Dr. Shariatpanahi**

Student responsibilities:

- 1- Presenting a scientific project according to the opinion of the relevant professor (70%), written or oral exam (30%)

Course Description:

The overall goal of the course: Acquaintance of students with different statistical methods and conduct research and how to organize and manage a project research.

Course objectives:

- 1-Awareness of how to setup a project
- 2-Learn the topics for writing a proposal
- 3-Learn about statistical analysis in researches
- 4-Learn about the principles of research in toxicology and the method of setting up a research plan in toxicology
- 5- Learn about Setting the introduction, setting the title, stating the problem, reviewing the texts
- 6-Awareness of Sampling, data collection method, ethical considerations, procedure
- 7- Learn about Data analysis, costs and resources, sources and references
- 8- Awareness of Ethical principles and codes in research
- 9- Awareness of Principles of writing and presenting articles

10- Learn about the structure of an article and its types

11- Learn about Setting up the introduction, setting up the methods section, setting up the results and discussion section, Setting up the reference section,

12- Learn about How to write an abstract for scientific meetings

13- Learn about How to write a review text

Student Learning Objectives

-Understand how to write a scientific report in toxicology

-Awareness of using the latest information contained in scientific-research and international journals

Students are expected to

-successfully write a proposal, article, review.

Type of instruction: PowerPoint, practical work with computer

Course title:

Lecturer	Subject	Time	Date	No.
Dr. Abdollahi	The principles of research in toxicology and the method of setting up a research plan in toxicology	13-15	1404/7/20	1
Dr. Abdollahi	The search strategies in google scholar, scopus, pubmed	13-15	1404/7/27	2
Dr. Shariatpanahi	How to write an abstract for scientific meetings	13-15	1404/8/4	3
Dr. Shariatpanahi	How to work with Endnote for managing the references	13-15	1404/8/11	4
Dr. Shariatpanahi	Statistical analysis, How to use prism software	13-15	1404/8/18	5

Dr. Aghamiri	Objectives and assumptions, methods of literature review, variables, types of study (non-interventional, exploratory, descriptive, comparative, etc.)	13-15	1404/8/25	6
Dr. Aghamiri	Sampling, data collection method, ethical considerations, procedure , Ethical principles and codes in research	13-15	1404/9/2	7
Dr. Aghamiri	Principles of writing and presenting articles	13-15	1404/09/9	8
Dr. Safaeinejad	The structure of an article and its types	13-15	1404/09/16	9
Dr. Safaeinejad	How to write a review text	13-15	1404/09/23	10
Dr. Shariatpanahi	Advanced search using AI, Plagirism checker, Paraphraser,...	13-15	1404/9/30	11
Dr. Aghamiri	Setting the introduction, setting the title, stating the problem, reviewing the texts	13-15	1404/10/7	12
Dr. Safaeinejad	Setting up the introduction, setting up the methods section, setting up the results and discussion section	13-15	1404/10/14	13
Dr. Abdollahi	Hot topics	13-15	1404/10/21	14

References:

- Special issue of Research Methodology and Statistics, Journal of the Faculty of Medicine, latest edition
- All classes will be held in Besarati (Eastern 7) street, North Shahin Boulevard

The absence hours of a student should not exceed 4/17 in theoretical, 2/17 in practical and laboratorial. Otherwise, the score for that course or section will be considered as zero.

Note 1: allowed absences are accepted provided that students bring in documents for that and the related professor approves it. Acting against absences (either excused or not) will be the decision of the professor and agreement of the college.