University of Anbar College of Education for Humanities Dept. of English



Year: 2019-2020 Semester No.:2 Course: Thesis Writing & Methods of Scientific Research Tutor: Assist. Prof. Dr. Marwan Kadhim

Week	Course Items
No.	
1	What is Research (Meaning of Research)
	 a. Objective of Research b. Motivation of Research c. Thesis Research d. Importance of Research e. Approaches of Research
2	Research Methods and Research Methodology
	a. Importance of Research Methodology in Research Study
3	Types of Research
4	 a. Basic Research b. Applied Research c. Normal and Revolutionary Researches d. Quantitative and Qualitative Methods e. Other Types of Research
5	Research Process
	a. Selection of a Research Topic and Problem
	*Can a Researcher Choose a Topic by Himself?
	* Identification of a Research Topic and Problems
	* Definition and Formulation of a Problem
	* What Makes a Good Proposal?
	* Reasons Why Research Proposals Fail
	b. Effective Time Management
	c. Literature Survey and Reference Collection
	d. Development of Working Hypothesis

	e. Determining Sample Design
	f. Collecting the Data
	g. Data Management and Backups
	h. Executing the Project
	i. Data Analysis
	j. Hypothesis Test
	k. Results and Conclusions
6	Statistical Inference for Research
	a. Quantification and the Inferential Paradigm
	b. Foundations of Statistical Inferencec. Bayesian Concepts
	d. Frequents Concepts and Hypothesis Testing
	e. Statistical Modeling
7	Scientific Inference
	a. Types of Scientific Inference
	b. Scientific Explanation
	c. Levels of Certainty
	d. The Deductive- Inductive Scientific Method
	e. Logic in Scientific Explanation
8	.Mid Term Exam
9	Layout of a Research Report / Ph. D. Thesis / Master Dissertation
	a. Preliminary Types
	b. b. Main Text. *Introduction
	*Actual Research Work Performed and the Findings.
	*Summary and Conclusion
	c. End Matters
	*Appendices *Citation
	*References / Bibliography
10	How to Construct Questionnaires
10	a. Deciding Which Questionnaire to Use
	b. Wording and Structure of Questions
	c. length and Ordering of Questionnaired. Piloting the Questionnaire
	e. Obtaining a High Response

11	Ethics and Professionalism in Science
	a. What are 'Scientific Ethics'?
	b. Fraud (Plagiarism)
	c. Authorship
	d. Intellectual Property
	e. Professionalism
	f. The Social Responsibility of the Scientist
12	Writing a Research Paper
12	a. What is Research Paper or Article?
	b. Why Should a Researcher Report his Findings?
	c. Finding a Proper Place to Publish the Research Work
13	Practice
15	
14	Practice
15	Practice
1	

Suggested References		
1	How to Write a Better Thesis by David Evans, Paul Gruba, Justin Zobel - 2014	
2	Thesis Writing: Manual For All Researchers by F Abdul Rahim - 2007	
3	How to Write a Thesis by Umberto Eco 2015	
4	Writing the Successful Thesis and Dissertation by Irene L. Clark, Alfredo	
	Mendoza, Chakarat Skawratananond 2006	
5	Writing a Watertight Thesis: A Guide to Successful Structure Mike Bottery,	
	Nigel Wright - 2019	
6	Writing Your Thesis By Paul Oliver 2013	