

## Scientific Research Methods 2022-2023

College/ Institute	Erbil Administration Technical College	
Departments	Marketing and International Language	
Module Name	Scientific Research Methods	
Module Code	SRME	
Degree	Technical Diploma <input type="checkbox"/>	Bachler <input checked="" type="checkbox"/> High
	Diploma <input type="checkbox"/> Master <input type="checkbox"/>	PhD <input type="checkbox"/>
Semester	Sixth	
Qualification	PhD	
Scientific Title	Assist. Professor	
ECTS (Credits)	6	
Module type	Prerequisite <input checked="" type="checkbox"/>	Core <input type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours		
Weekly hours (Theory)	(4) hr Class	(60) Total hrs Workload
Weekly hours (Practical)		
Number of Weeks	15	

<b>Lecturer (Theory)</b>	<b>Dr. Abdullah Omar Yassen</b>
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## Course Book

<b>Course Description</b>	<p>This course is aimed at providing and explaining the fundamentals and principles of Research Methods and Design in the field of language learning. It summarizes the concepts involved in outlining, designing and administering interviews, questionnaires and surveys for conducting research. The students will be taught the important skills of literature review and proofreading. This is done to enable students to take the position of researchers and writers and assess other people's texts written for different purposes. They are also asked to present their topics and interest to students at the end of the semester. Slides and handouts are used to make the relevant concepts clear and understandable to students. The students also are asked to prepare a 3000 words report on the skills andf concepts studied during the course.</p>
<b>Course objectives</b>	<p>This course is designed to:</p> <ol style="list-style-type: none"> <li>1. Provide the students with the current issues of research methods, design and tools.</li> <li>2. Familiarize students with the new concepts of conducting research.</li> <li>3. Teach students how to write, organize, draft, review and publish their essays and research papers.</li> <li>4. Teach students how to evaluate and measure good pieces of writing and essays.</li> <li>5. Familiarize students with the different types of texts and the reasons behind their usage in different educational contexts.</li> </ol>

	<p>6. Teach students how to navigate through the sea of information available online and in libraries and evaluating what is accurate, reliable, interesting, and useful is one of the most important skills.</p> <p>7. Provide students the awareness of the importance of avoiding plagiarism. Discussing with student's issues related to integrity in writing originality, honesty, and crediting the work of others.</p>				
<b>Student's obligation</b>	<p>The attendance of students will have extra credit. The students are required not only attend the classes but also prepare for classes by submitting homework, participation during class and hand in assignments on time. Apart from main exams, the students time to time are tested and quizzed orally to show understanding and knowledge of the module.</p>				
<b>Required Learning Materials</b>	<p>The lecturer will use various methods of teaching in order to help the students understand the module and engage in the debate. These methods include, class participation, group work, one to one questionnaire, presenting seminar and participating in oral tests. The lecturer will use white board, data show (PowerPoint) and videos in order the student not only read the topics theoretically but also visualize the module to understand and comprehend it better. Listening materials are provided across three CDs to introduce gradual and regular practice activates. This way helps the student to activate their language in a supported way in order to make class as engaging as possible.</p>				
<b>Evaluation</b>		<b>Task</b>	<b>Weight (Marks)</b>	<b>Due Week</b>	<b>Relevant Learning Outcome</b>
		Paper Review	0		
	Assignments	Homework	10	Weekly	To evaluate students weekly progress.
		Class Activity	10	Weekly	To provide feedback and comments on their class performance.
		Report	0		
		Seminar	10	Starts from Week Four	To improve their presentation techniques.
		Essay	10	At the end of each unit.	To evaluate their writing skills.

	Project	0		
	Quiz	4	At the end of each unit.	To evaluate student's weakness and strength.
	Lab.	0		
	Midterm Exam	24	4/3 to 10/3/2023	
	Final Exam	40	14/05 to 25/05/2023	
	Total	100		
<b>Specific learning outcome:</b>	<p>By the end of the course the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Students will be able to recognize types of texts and their objectives.</li> <li>2. Students will be able to organize, draft and write effective research papers.</li> <li>3. Students will be able to diagnose problems with academic texts and assignments.</li> <li>4. Students will be able to create outlines and use references for academic texts and papers.</li> <li>5. Students will be able to conduct interviews, design questionnaires and collect reliable data.</li> <li>6. Students will be able to present the results and references for their research papers.</li> <li>7. The student will be able to recognize the text that has been plagiarized and the consequence of those who plagiarize</li> <li>8. The students will be able to critically review academic literature and evaluate its relevance.</li> </ol>			
<b>Course References:</b>	<p>Mackey, A. and Gass, S. <i>Second Language Research: Methodology and Design</i> (Routledge, 2015).</p> <p>Dorothy Zemach, Daniel Broudy and Chris Valvona, <i>Writing Papers: from Essay to Research Paper</i> (Macmillan Writing Series, 2011).</p> <p>Dorothy Zemach Lisa Rumisek, <i>Academic Writing: From Paragraph to Essay</i> (Macmillan 2005).</p> <p>Wayne Booth, Gregory Colomb and Joseph Williams, <i>The Craft of Research</i> (The University of Chicago Press, Third Edition, 1995)</p>			

Course topics (Theory)	Week	Learning Outcome
<p><b>Chapter One:</b> Introduction, Review of the Essay, Academic Writing.</p> <p><b>PowerPoint Slide:</b> 2-3</p> <p><b>Book Unit One:</b> page number: 2-7</p>	1	Understanding the content of the module
<p><b>Chapter Two:</b> Research Parts: Aims of the research, Problem statement, Research questions, Research hypothesis, Limitation of study, Hypothesis and benefits of the research.</p> <p>A research includes the following:</p> <p>Title, abstract, keywords, introduction, methodology, literature review, results, discussion and analysis, conclusion and recommendation and finally Sources=references</p> <p><b>PowerPoint Slide:</b> 4</p>	2	
<p><b>Chapter Three: Choosing a topic for your research paper.</b></p> <p>Mixed Method: Learning the difference between a persuasive and expository</p> <p><b>PowerPoint Slide:</b> 16-28</p> <p><b>Book Unit Two:</b> page number: 8-14</p>	3	
<p><b>Mid-term exam</b></p>	4/3/2023 to 10/3/2023	
<p><b>Chapter Four:</b> proofreading and providing feedback to the draft of the abstract.</p> <p>Identify the gap in the literature, Pioneering and being innovative, sign posting the reader.</p>	6	
<p><b>Chapter Five: Researching.</b></p> <ol style="list-style-type: none"> <li>1. Considering online sources of information</li> <li>2. Learning effective online search techniques</li> <li>3. Evaluating the reliability of websites</li> <li>4. Focusing your research: narrow the research keywords.</li> </ol> <p><b>PowerPoint Slide:</b> 16-28</p>	7	Learn to check information.

<b>Book:</b> Unit Four: pages 23-29		
<p><b>Chapter Six: Avoiding Plagiarism.</b></p> <ol style="list-style-type: none"> <li>1. Learning about the issues of plagiarism and academic expectation for original work</li> <li>2. Learning the importance of crediting sources</li> <li>3. The importance of learning when to quote and the techniques for paraphrasing</li> </ol> <p><b>Power Point Slide:</b> 42-58</p> <p><b>Book:</b> Unit Six: pages: 39-49</p>	8	
<p><b>Chapter Seven: Literature Review.</b></p> <ol style="list-style-type: none"> <li>1. How to write literature review?</li> <li>2. The importance of the literature reviews to identify the gap in the field.</li> <li>3. What are the techniques to use to critically evaluate and analyze the existing literature?</li> </ol> <p><b>PowerPoint Slide:</b> 5-10</p>	9	
<p><b>Chapter Eight: Literature review section proofreading</b></p> <p>Providing feedback and proofreading to the literature review section. The drafting process and showing techniques to be critical reviewer.</p>	10	
<p><b>Chapter Nine: Methodology</b></p> <ol style="list-style-type: none"> <li>1. It summarizes the concepts involved in outlining, designing and administering interviews, questionnaires and surveys for conducting research.</li> <li>2. The students will be familiarized with the conducting interviews, the type of interviews, the techniques to conduct interview in qualitative research.</li> <li>3. The process of survey and the importance of the pilot survey is highlighted.</li> <li>4. The difference between qualitative and quantitative research is analysed</li> </ol> <p><b>PowerPoint Slide:</b> 86-110.</p>	11	

<p><b>Chapter Ten: The language of the research paper</b></p> <ol style="list-style-type: none"> <li>1. Learning and practicing the techniques for paraphrasing</li> <li>2. When to quote or paraphrase?</li> <li>3. How to summarise the English text without changing the actual meaning?</li> <li>4. Academic language emphasis: when to use passive or active voice? When to use linking words?</li> </ol> <p><b>PowerPoint Slide:</b> 45-58</p> <p><b>Book</b> Unit Seven: page number: page 50 to 59</p>	12	
<p><b>Chapter Eleven: In-Text Citations.</b></p> <ol style="list-style-type: none"> <li>1. Learning the correct style to cite books, journals, websites and other sources.</li> <li>2. Learning different citation styles that is used by university students: such as OSCOLA, Harvard, and APA.</li> </ol> <p><b>PowerPoint Slide:</b> 60-70</p> <p><b>Book:</b> Unit Nine: page number: 69-75</p>	13	Developing the skills of teamwork and motivation
<p><b>Chapter Twelve: Academic Language and Style.</b></p> <ol style="list-style-type: none"> <li>1. The importance of academic writing in research papers.</li> <li>2. The academic writing needs to be formal, impersonal, precise, cautious and unemotional.</li> <li>3. Learn how to make your points stronger and more precise</li> <li>4. The importance of grammar and punctuations.</li> </ol> <p><b>PowerPoint Slide:</b> 71-77</p> <p><b>Book:</b> Unit Ten: page number: 76-84</p>	14	Ability to work with various assignments.
<p>Revision, feedback and Exam</p> <p><b>Chapter Thirteen: Revision and addressing questionnaire.</b></p> <ol style="list-style-type: none"> <li>1. Research editing and proofreading</li> <li>2. Revising the subjects studied.</li> <li>3. Learning the techniques of writing academic</li> <li>4. How to write and outline the parts of research paper?</li> </ol> <p>The preparation for exam and possible questions</p>	15	Reflecting on the module and identifying areas for improvement.

Final Exam	16	Evaluating students learning progress in the module.
<b>Practical Topics</b>	<b>Week</b>	<b>Learning Outcome</b>
Student Presentation (Couple Presentation)	8	Being able to give short presentation on the agreed topic in the four skills of English language
Student Presentation (Group Presentation)	11	Reflect on what they have learn in this module through short presentation.

### Questions Example Design

Q1/ What should be included in an abstract?

Q2/ What is the difference between a persuasive and expository research?

Q3/ What are the parts of Research?

Q4/ What is a literature review?

Q5/ Why do a literature review?

Q6/ What are the disadvantages of online sources?

Q7/ How do you do researching?

Q8/ what is the difference between quotation and paraphrasing?

Q9/ Can I use other researchers' words and ideas?

Q10/ What are the academic consequences of plagiarism?

Q11/ When you do not have to give credit to other sources?

Q12/ How to carry out face to face interview?

Q13/ How to draft questionnaire and survey?



