



Ministry of Higher Education and Scientific Research  
Lebanese French University – Erbil  
College of Engineering and Computer Science  
Department of Information Technology



# Research Methodology

**Fourth Stage – First Semester**

**Asst. Lect. Ara Zozan Miran**

**Academic Year: 2022-2023**

**Course Book**



S. No.	Information	Details
1.	<b>Course Name</b>	Research Methodology
2.	<b>Course Code</b>	IT401RM
3.	<b>Lecturer In-charge</b>	Ara Zozan Miran
4.	<b>College/Department</b>	Engineering and Computer Science/Information Technology
5.	<b>Contact Information</b>	E-mail:ara.zozan@lfu.edu.krd
6.	<b>Time (in hours) per Week</b>	Theory: 2 hours
7.	<b>Office Hours</b>	Sunday to Thursday (8:30-3:00)P.M <b>Office:3001</b>
8.	<b>Teacher's Academic Profile</b>	I finished my BSc degree at the University of Kurdistan Hawler/ College of Computer Science and Engineering in 2016. I finished my MSc degree (Software Engineering) at the University of Kurdistan Hawler in 2018. In September 2018, I joined LFU then I completed Pedagogical Course. Currently, I am an Assistant lecturer.
9.	<b>Academic Title</b>	Assistant Lecturer
10.	<b>Keywords</b>	References, quotes, plagiarism, paraphrases
11.	<b>Course Overview:</b> The overall theme for this course is the relationship between design and knowledge; this course aims to familiarize the students with the basics of starting the final project research, the recent advances in research methodology, and the main elements of the study.	
12.	<b>Aims &amp; Objective:</b> The objectives of this course are: <ul style="list-style-type: none"> <li>▪ Teaches the structure and rules of writing a good research paper.</li> <li>▪ The course covers the selection of problem statements, literature research, data collection methods, and references.</li> </ul>	
13.	<b>Course Requirement:</b> All students should attend lectures, participate in classroom quizzes and discussions, work on their projects, and attend midterm and final examinations.	



<b>14.</b>	<p><b>Teaching and Learning Method:</b></p> <ul style="list-style-type: none"> <li>▪ Presentations</li> <li>▪ Exams</li> <li>▪ Group Work</li> <li>▪ Discussions</li> <li>▪ Assignments</li> </ul>
<b>15.</b>	<p><b>Assessment Scheme:</b></p> <ul style="list-style-type: none"> <li>▪ 25 % Mid-term Examination</li> <li>▪ 15 % Assignments and Quizzes</li> <li>▪ 60 % Final Examination</li> </ul>
<b>16.</b>	<p><b>Students Learning Outcome:</b> At the end of this course, the student will be able to:</p> <ul style="list-style-type: none"> <li>▪ Understand the concepts of how to write a final project report.</li> <li>▪ Understanding the selection of a problem statement</li> <li>▪ Understanding the referencing</li> </ul>
<b>17.</b>	<p><b>Course Reading List and References:</b></p> <ul style="list-style-type: none"> <li>▪ Kumar, 2014, "Research Methodology" 4th edition, Sage Publications</li> <li>▪ Willman, 2011, "Research Methods," the basics, Routledge Publications</li> </ul>
<b>18.</b>	<p><b>Course Content:</b></p>

### Course Content

S. No.	Lecture Week	No. of Hours	Topics
1.	Week-1	2	Introduction to research method
2.	Week-2	2	Scientific method
3.	Week-3	2	Problem statement
4.	Week-4	2	Literature research



5.	Week-5	2	Research proposal
6.	Week-6	2	Midterm Exam Review
7.	Week-7	2	Midterm Exam
8.	Week-8	2	Variables and Hypotheses
9.	Week-9	2	Effective Presentation
10.	Week-10	2	Data collection methods
11.	Week-11	2	Introduction to MENDELEY
12.	Week-12	2	How to write the content tables and figure tables
13.	Week-13	2	How to divide the chapters
14.	Week-14	2	Final Exam Review
15.			<b>Final Examination</b>

<b>19.</b>	<p><b>Examinations:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Defining different terms.</b></li> <li>▪ <b>Discussing different topics.</b></li> <li>▪ <b>True &amp; False</b></li> </ul>
<b>20.</b>	<p><b>Course Policy:</b></p> <ul style="list-style-type: none"> <li>▪ Students are expected to attend all courses and course activities. If a student misses one third or more of a class session, the student will be counted absent.</li> <li>▪ Per university policy and classroom etiquette, mobile phones, iPods, etc. must be silenced during all classroom and lab lectures. Those not heeding this rule will be asked to leave the classroom/lab immediately to avoid disrupting the learning environment.</li> <li>▪ Please arrive on time for all classes. Students who habitually disturb the class by talking, arriving late, etc., and have been warned may suffer a reduction in their final class grade.</li> </ul>
<b>21.</b>	<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>▪ <b>There might be changes in the syllables according to holidays and timetables.</b></li> </ul>