

Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Allied Medical Sciences
4th Year / 1st Semester
Research Methods in OT and Evidence Based OT
OT 411
Course Syllabus

Course Information	
Course Title	Research Methods in OT and Evidence Based OT
Course Code	OT 411
Prerequisites	None
Course Website	None
Instructor	Dr.Khader Al mhdawi,
Office Location	M 5, level -4, # 15
Office Phone #	23899
Office Hours	TBA
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Teaching Assistant(s)	Qussi Obidat
Course Description	
The component is intended to give the student basic research skills. It will also enable the student to discuss, analyze and evaluate critically current practice as well as assisting in the drafting and setting up of the individual research' project which every student has to undertake later on in the course of studies.	

Textbook	
Title	Research Methods in Applied Settings
Author(s)	Gliner, J. A. & Morgan, G. A
Publisher	Lawrence Erlbaum Assoc.
Year	2000
Edition	First
Book Website	None
Other references	Creswell, J. W. (1998). <i>Qualitative inquiry and research design: Choosing among five traditions</i> . Thousand Oaks, CA: SAGE.

Assessment		
Assessment	Expected Due Date	Percentage
First Exam	First exam period	20%
Second Exam	Second exam period	20%
Final Exam	Final exam period	30%
Assignments	3 assignments (one week before each exam)	30%
Participation	None	
Attendance	None	

Course Objectives	Percentage
1. Presenting quantitative research Methodology.	30%
2. Presenting qualitative research Methodology.	30%
3. Enabling sufficient research skills to start up an undergraduate research project.	20%
4. Establish a basic ability to critique and judge the strength of various occupational therapy papers.	20%

Teaching & Learning Methods
Theoretical and practical sessions, tutorials, self directed learning

Learning Outcomes: Upon successful completion of this course, students will be able to		
Related Objective(s)		Reference(s)
1,2	Understand various quantitative and qualitative research approaches.	Ch1, 2, & 6 Creswell, Ch 4 Gliner
1-3	Understand various research designs such as between groups, within subjects and mixed designs.	Ch 3 & 4 Creswell and Ch 4 Gliner
1,2	Distinguishing between qualitative and quantitative research methods in terms of philosophical basis and suitability.	Ch1, 2, 3, 4, & 6 Creswell, Ch 4 Gliner
3	Ability to understand data gathering methods and use the basic ones.	Ch 5, 8 & 7 Creswell
3	Understanding data analysis methods	Ch 9 & 11 Creswell
3	Understand data analysis interpretation.	Ch 10 Gliner
3,4	Relating analysis interpretation to its applicable conclusions.	Ch 6, 7, 10, & 11 Gliner
4	Selective ability to distinguish between strong/dependable researches or papers and weak ones in terms of the strength of data gathering, overall design and data analysis methods.	Ch 6, 7, 10, 11, 20, & 23 Gliner

Useful Resources
University library,internet,CDC

Course Content		
Week	Topics	Chapter in Textbook (handouts)
1	1. Introduction to the course, general research types, Ethical issues	Ch1, 2 and 3 Gliner
2	2. General research types, Ethical issues.	Ch1, 2 and 3 Gliner
3	3. Qualitative research, introduction and related research questions; when to use this type?	Ch1, 2, & 6 Creswell
4	4. Qualitative research, introduction and related research questions; when to use this type?	Ch1, 2, & 6 Creswell
5	5. Qualitative research design and its approaches	Ch 3 & 4 Creswell
6	6. First Exam	
7	7. Qualitative data gathering	Ch 5,8 & 7 Creswell
8	8. Qualitative data analysis	Ch 9 & 11 Creswell
9	9. Qualitative result interpretations, report writing	Ch 10 Gliner
10	10. Quantitative research, research problems, variables hypotheses, questions, and approaches	Ch 4 Gliner
11	11. validity, reliability, and journal articles critiques	Ch 6, 7, 11 Gliner
12	12. Second Exam	
13	13. validity, reliability, and journal articles critiques	Ch 6, 7, 11 Gliner
14	14. Descriptive statistics	Ch 9 Gliner
15	15. Evidence Based practice	Ch 20, 23 Gliner
16	16. Final Exam	

Additional Notes
<ul style="list-style-type: none"> • Method of Assessment: Written evaluations; multiple choice questions and short essay questions. The grade will be available within a week of the exam. Correct answers will be discussed during the class • Attendance Policy: according to the university regulations; less than 10% of lectures absence. • Participation is encouraged • Grading system: 100 scale