



# Faculty of Educational and Psychological Sciences

## Department of Educational Psychology

**Study Plan of the Master's Degree**

**In: Measurement and Evaluation**

**Academic Year: (2018/2019)**

**Comprehensive Path**

**Vision of the Department:**

To be a model for a distinguished department, In areas of academic, educational, and research; at the local, regional and international level.

**Mission of the Department:**

Upgrading the knowledge of graduates and their skills to understand the psychological phenomena of society members, and training them to deal with it professionally.

**Objectives of the Department:**

1. Developing theoretical and practical experiences to understand and interpret human behavior.
2. Upgrading research skills to conduct studies in the fields of psychology.
3. Linking the scientific research results with the needs of society in the psychological fields.
4. Keeping up with developments, to update the means, equipment and resources used in the educational process.
5. The Contribution in solving the issues of the society, related to psychological nature.

**Intended Learning Outcomes (ILOs):**

1. Students be able to gain the ability of making positive change and development in educational fields.
2. Students be able to have the ability to develop tests, measurements and data analysis.
3. Learners be able to acquire the skills needed to understand and employ learning and growth skills.
4. Provide students with practical research skills in the field of educational psychology.
5. Owning the training skills in statistics and research.

**Framework****Course Numbering**

x	x	x	x	3	1	
Sequence		Course Level		Cognitive Domain	Dept. Code	Faculty Code

**Faculty Requirements:** ( 33 Credit Hours)

No.	Course Title	Cr. hr.	Per. Sent
1	Compulsory Specialization Requirements	15	%72
2	Optional specialization requirements	9	%28
<b>Total</b>		<b>33</b>	<b>100%</b>

**A. Compulsory Requirements:** ( 24/ Credit Hours)

Course No.	Course Title	Cr. hr.
10173011	Fundamentals of scientific research	3
10173012	Statistics in scientific research	3
10272012	Advanced Educational Psychology	3
10376021	Development of tests and measurements	3
10375011	Measuring abilities and tendencies	3
10276022	Non-test measurement methods	3
10376023	Educational assessments	3
10376024	Practical project in the construction of tests	3
<b>Total</b>		<b>24</b>

**B. Elective Requirements:** ( 9/ Credit Hours)

Course No.	Course Title	Cr. hr.
10376024	Computer uses of data analysis	3
10375012	The tests referred to the reference	3
10373025	Individual assessment methods	3
10373015	Personal measurement	3
10272024	Teaching Thinking	3
<b>Total</b>		

C .The student will submit the **comprehensive Exam** in the end of the program.



## Description of Courses

### Course Number/ Course Title/ Credit Hours

10173011 Fundamentals of Scientific Research 3 credit hours

-The course aims to provide students with the necessary skills to conduct educational research. The course deals with the nature of educational research and its purposes, identifying the problem of research, how to review the educational literature related to the problem, the rules of documentation in the research report, sampling methods, methods of data collection, the historical approach in research, the methodology of survey studies, The experimental approach in the research (its characteristics, methods of controlling the variables in it, the validity of its validity, pre-experimental designs, semi-experimental designs, real experimental designs) with a focus on real experimental designs: Solomon design, Repetitive measurements, and Latin box design. In this course, the student is required to prepare a research plan that complies with the accepted research guidelines and rules.

10173012 Statistics in Scientific Research 3 credit hours

-This course aims to introduce students to the basic statistical methods necessary for the educational researcher. The course deals with the basic concepts in statistics, the characteristics of in-kind distributions, the testing of hypotheses about the computational environment, the variations, the correlation coefficients and the ratios, the analysis of the mono-variance, The course also deals with the skills of using available statistical software (SPSS) in the analysis of actual data using statistical methods (Z, t ANOVA, ANCOVA) and reading and interpreting the results of the analysis.

10272012 Educational Psychology - Advanced 3 credit hours

-Educational psychology is one of the branches of applied psychology that tries to apply principles, theories and techniques to human behavior in educational situations. It is one of the topics that covers educational methods and their meanings to demonstrate the different forms and methods of learning and education involving the learners themselves. These methods, learning material, educational environment, methods of teaching and motivations of different kinds and different individuals and motivation and the transfer of the impact of learning and training, and memory and remote and close to forgetfulness, intelligence and problem solving and creativity, and methods of measuring achievement all these things fall in the minds of teachers.



#### 10376021 Development of tests and standards 3 credit hours

- This course deals with theoretical concepts and hypotheses, and practical competencies in the construction of psychological and educational tests, in their application, correction and interpretation of their results. It also deals with the semantics that express the effectiveness of the tests with the statistical characteristics of the paragraphs and the tests and the criteria derived in the rationing process.

#### 10375011 Measuring abilities and tendencies 3 credit hours

- This course deals with the theoretical and practical aspects of the tests of abilities and tendencies of interest to educators and workers in the fields of psychology, extension and special education, including intelligence tests, academic readiness, creativity, achievement tests and standardized tendencies.

#### 10276022 Non-test measurement methods 3 credit hours

- This course deals with theoretical concepts and hypotheses and practical competencies in the use of non-test methods and specific fields. It also deals with the principles and procedures that can be followed in the preparation and application of these methods and verifying their effectiveness for the purposes and fields that are explained to them.

#### 10376023 Educational assessments 3 Credit Hours

-This course covers basic concepts and skills in the educational evaluation, including: the objectives of educational evaluation, its foundations, its theoretical models, its types, its fields, its educational applications in learning, teaching and curriculum, and the school program in all its components. It also includes the stages of the evaluation process and the plans of the evaluation studies in terms of its objectives, Methods and interpretation of their results.

#### 10376024 Practical project in the construction of tests 3 credit hours

In this course, students are required to prepare a research plan to use the student's assessment tool in their numbers, in the areas of cognitive abilities, personality traits, trends, motivations and characteristics, and does not include areas of academic achievement. In the available sample, and other research steps from the presentation of the rationale for the research problem, the theoretical framework from which it starts, and some previous studies and research methodology, the student applies the research plan by applying the measurement tool in a sample selected by the student to suit the nature of the problem. And analyzes the data resulting from the application as two hypotheses: the first to find solutions to the problem of research or answers to research questions and here in the verification of the characteristics of the search tool in terms of honesty and stability and effectiveness



of paragraphs. After drawing conclusions, the student will write the research report according to the rules adopted in the writing of scientific research reports that can be consulted in the special evidence.

#### 10376024 Computer Applications of Data Analysis 3 Credit Hours

This course deals with the use of statistical software known in the analysis of educational data such as SPSS, SAS. This course focuses on data entry, organization and use of software to examine and analyze data using descriptive, deductive and associative statistical methods.

#### 10375012 The tests referred to reference: 3 credit hours

- This course deals with concepts, theoretical hypotheses and practical competencies in the preparation of the tests in reference and in their application, correction and interpretation of their results. It also deals with the indications that express the effectiveness of these tests, represented by the statistical characteristics of the test and its paragraphs.

#### 10373025 Individual Assessment Methods 3 credit hours

-This course deals with individual evaluation methods in terms of its definition, importance, concepts and tools, how to apply it and how to use it, methods of collecting information, use of tests and standards for individual and collective assessment process and its usefulness for the student and to identify the difficulties encountered during the implementation of the tests of all kinds.

#### 10373015 Personal Measurement 3 Credit Hours

- The study of personality is one of the most important researches in psychology because the personality of the individual is a group of genetic factors. And environmental and psychological, which affected it during its growth and development. The course will also study the methods of measurement and methods used in the field of personality, through which we can identify the pattern of personality and normal characters.

#### 10272024 Teaching Thinking 3 Credit Hours

-This course deals with the most important topics related to teaching theory in terms of theory and practice, which concern the employees of educational institutions and institutions concerned with human development, as well as ordinary individuals in dealing with their problems of life wherever they are. The course topics include the theoretical treatment of the concept of thought, its processes, skills. Through the strategies of education and teaching programs to the end of the presentation of models and practical applications on each skill, and the course addresses the factors of success of programs of teaching thinking and tools to assess the success of these programs, Seen above cognitive skills and given maximum importance for any program to teach thinking.



10673013 Research Seminar 3 credit hours

-This course aims to deepen the students' knowledge of the main educational psychology topics (motivation, intelligence, creativity, memory, forgetfulness, individual differences, learning, and the impact of learning). The course also aims to familiarize the students with the reference to specialized periodicals and references for writing papers and research reports in scientific manner.