Course Description Form

Review the performance of higher education institutions ((review of the academic program))

Course Description

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available learning opportunities. It must be linked to the program description.

1. **Educational institution**	Faculty of Physical Education and Sports Sciences
2. **University Department / Center**	
3. **Course Name/Code**	Statistics/
4. **Programs in which he enters**	Physical Education and Sports Sciences
5. **Available Attendance Forms**	Full Time – Daily
6. **Semester / Year**	First and second / 2023-2024
7. **Number of Credit Hours (Total)**	2 hours per week
8. **The history of preparation of this description**	18/03/2024

9. Course Objectives

1- Developing the student's mental abilities in dealing with statistical solutions.

2- Formation of conclusions through the data collected.

3- Benefiting from the subject of statistics in the subject of graduation research.

4- Building the student's ability to develop tables and drawings related to statistics.

5- The student benefits from statistics in the practical fields of his specific specialization.

10. Learning outcomes and teaching, learning and assessment methods

A- **Knowledge and understanding**

A1- Identify statistics and its importance in physical education.
A2- Identifying data, methods of collecting it and methods of presenting data.
A3- Identify the research community and the research sample.
A4- Identify frequency distribution tables.
A5- Identify the description of data concentration through measures of central tendency.
A6- Identify the scales of distraction.
A7- Identify correlation metrics.
A8- Identify differences tests.

B - **Subject-specific skills**

.B1- Thinking skill

.B2- The skill of deduction and evaluation

.B3- Analysis skill

B4- Observation skill.

Teaching and learning methods

- **Provide students with the basics and topics related to knowledge and systems described in a**

- **Clarification and explanation of study materials by the academic staff.**

- **Provide students with knowledge through homework vocabulary.**

- **Require students to visit the library to obtain academic knowledge related to academic vocabulary.**

- **Improve students' skills by visiting websites to obtain additional knowledge of the subjects.**

Evaluation methods

- Daily and monthly tests.

- Report writing.

- Homework.

- Commitment to lecture time.

- Through students' graduation research discussions.

C- Thinking skills

- Effective listening skill

- Information analysis skill

- Avoid violent contact

- Problem solving skill

- The skill of asking questions

- The skill of displaying information graphically or in the form of drawings or shapes.

d. General and transferable skills (other skills related to employability and personal development).

.D1- Time management to achieve the maximum benefit and the best return

.D2- Understanding and comprehending the subject of statistics

D3- Using methods and procedures to collect, build and analyze databases using the computer.

D4- Writing and presenting reports and memoranda using modern means of communication and technology .

.D5- Ability to deal with changing and different situations

D6- Preparing a good statistician in using data and making appropriate decisions.

.D7- Leading individuals to achieve the desired goals

D8- Knowledge of one of the foreign languages to activate the work environment when needed.

11. Course Structure					
The week	Hours	Required Learning Outcomes	Name of the unit/course or topic	Method of education	Evaluation method
1	2	The concept of statistics	Unit One (Statistics)	**Built-in presence**	Participation
2	2	The importance of statistics in physical education	Unit One (Statistics)	**Built-in presence**	Participation

3	2	The nature of variables in statistics	Unit One (Statistics)	**Built-in presence**	Participation
4	2	The concept of the research community - steps to deal with the research community	Unit Two (Research Community)	**Built-in presence**	Participation
5	2	Methods of collecting statistical data	Unit Two (Research Community)	**Built-in presence**	Participation
6	2	Sample concept - types of samples and methods of selection	Unit Two (Research Community)	**Built-in presence**	Participation
7	2	Written Presentation - Semi-tabular Presentation	Unit Three (Data presentation modalities)	**Built-in presence**	Participation
8	2	Tabular View- Rank Width	Unit Three (Data presentation modalities)	**Built-in presence**	Participation
9	2	Graphical display	Unit Three (Data presentation modalities)	**Built-in presence**	Participation
10	2	The most important types of frequency distribution tables	Unit Four (frequency distributions)	**Built-in presence**	Participation
11	2	Relative and percentage frequency distribution	Unit Four (frequency distributions)	**Built-in presence**	Participation
12	2	Aggregated frequency distributions	Unit Four (frequency distributions)	**Built-in presence**	Participation
13	2	Arithmetic mean	Unit Five (Measures of Central Tendency)	**Built-in presence**	Participation
14	2	Broker	Unit Five (Measures of Central Tendency)	**Built-in presence**	Participation
15	2				**examination**
16	2	Lines	Unit Five (Measures of Central Tendency)	**Built-in presence**	Participation
17	2	Range - Standard Deviation - Variance	Unit Six (Dispersion scales)	**Built-in presence**	Participation
18	2	Range - Standard Deviation - Variance	Unit Six (Dispersion scales)	**Built-in presence**	Participation
19	2	Mean deviation – coefficient of variation – standard score	Unit Six (Dispersion scales)	**Built-in presence**	Participation
20	2	Mean deviation – coefficient of variation – standard score	Unit Six (Dispersion scales)	**Built-in presence**	Participation
21	2	Simple correlation coefficient (Pearson)	Unit Seven (Relationship Metrics)	**Built-in presence**	Participation
22	2	Rank correlation coefficient (Spearman)	Unit Seven (Relationship Metrics)	**Built-in presence**	Participation
23	2	Multiple correlation coefficient	Unit Seven (Relationship Metrics)	**Built-in presence**	Participation
24	2	Test (T)	Unit Eight (Variance tests)	**Built-in presence**	Participation
25	2	Test (T)	Unit Eight (Variance tests)	**Built-in presence**	Participation
26	2	Analysis of Variance (F) Test	Unit Eight (Variance tests)	**Built-in presence**	Participation
		Good Conformity Kay Box	Unit Eight	**Built-in**	

27	2	Test	(Variance tests)	**presence**	Participation
28	2	Disadvantages of standard grades	Unit Eight (Variance tests)	**Built-in presence**	Participation
29	2	Standard Za'i degree	Unit Eight (Variance tests)	**Built-in presence**	Participation
30	2				**examination**

12. Infrastructure	
: Required readings ▪ Basic texts ▪ Course Books ▪ Other	**Principles of Statistics in Physical Education Assoc. Prof. Salman Akab Sarhan Al Janabi Assoc. Prof. Haider Naji Habash Al-Shawi**
Special requirements (including e.g. workshops, periodicals, software, websites)	**- A workshop entitled "Enhancing the skills of our students in the Excel program" was organized Workshop on Statistical Analysis in Scientific - Research Using SPSS Program**
Social services (e.g. guest lectures, vocational training and field studies)	**Develop future plans for statistical analysis**

13. Acceptance	
Prerequisites	There isn't any
Minimum number of students	150
The largest number of students	250