

## Intended Learning Outcomes (ILOs) achievements Table

Department: Mathematics and Statistics

Course name: Statistics and its applications

Course No.: Math374

Course Coordinator: *Esam Eldin Ahmed Rakha*

Domain	No.	List of course learning outcomes	List of methods of assessments	Summary of analysis of assessment results	Ach. %
Knowledge	1	<i>To know the different appropriate methods for tackling different types of data to obtain different statistical inferences, and measure its goodness or reliability.</i>	<ul style="list-style-type: none"> <li>-Work together to make sense of new ideas and towards the discovery of solutions.</li> <li>-Solving problems including both small and large sample size, using computers packages.</li> <li>-Data analysis for large projects in different fields.</li> <li>-Preparing both verbal and graphical data reports.</li> </ul>	Most of the evaluation (assessments) methods mentioned affected the level of the students by between 80-85 percent	80 - 85 percent
Cognitive Skills	2	<i>To gain relevant Skills for analyzing and generating main ideas.</i>	<ul style="list-style-type: none"> <li>- <b>Individual project work</b> (Home works, Quizzes, Reports...)</li> <li>- <b>Group project</b> work.</li> <li>- <b>Variations</b> on written examinations.</li> <li>- <b>Comprehension</b> tests.</li> <li>- <b>Oral</b> examinations.</li> </ul>	Most of the evaluation (assessments) methods mentioned affected the level of the students by between 80-85 percent, even if each of the analyzing & generating skill is the most influential on the level of students.	80-85 percent

Domain	N o.	List of course learning outcomes	List of methods of assessments	Summary of analysis of assessment results	Ach. %
Interpersonal Skills	3	To use appropriate skills for the thinking interpersonal for manipulating different tasks.	<p>-Individual project work (Home works, Quizzes, Reports , written and oral examinations ( One or Two) ) to <i>assess the capacity for independent study and the learner ability to:</i></p> <ol style="list-style-type: none"> <li>1. Collect, organize and interpret Univariate numerical data.</li> <li>2. Represent data effectively, choosing appropriately from.</li> <li>3. Identify potential sources of bias, errors in measurement, and potential uses and misuses of probability methods.</li> <li>4. Generalize the fundamental counting principle and solve problems using the fundamental counting principle.</li> <li>5. Group project work. to <i>assess the learner ability to:</i> <ol style="list-style-type: none"> <li>1. Participates as a Member of a Team.</li> <li>2. Teaches Others New Skills.</li> <li>3. Exercises Leadership.</li> <li>4. Negotiates.</li> <li>5. Works with Diversity.</li> </ol> </li> </ol>	<p>Most of the evaluation (assessments) methods mentioned affected the level of the students by between 85-90 percent.</p>	85-90 percent

Domain	No.	List of course learning outcomes	List of methods of assessments	Summary of analysis of assessment results	Ach. %
Communication, IT and Numerical skills	4	<u>Numerical skills</u> <i>To apply appropriate methods for handling data.</i>	<ul style="list-style-type: none"> <li>- Group project work (Home works, Quizzes, Reports...).</li> <li>- Variations on written examinations.</li> <li>- Comprehension tests.</li> <li>- Oral examinations.</li> </ul>	Most of the evaluation (assessments) methods mentioned affected the level of the students by between 85-90 percent, even if the <b>Communication skills</b> are the most influential on the level of students.	85-90 percent
	5	<u>Communication skills</u> <i>To use relevant skills for communicating statistical concepts for all to understand.</i>			
Psychomotor skills	6	<i>To learn about the non-electronic sampling methods (manual questionnaires - personal interviews,...).</i>	<ul style="list-style-type: none"> <li>- <b>Individual project work</b> (non-electronic questionnaires)</li> <li>- <b>Group project work</b> (non-electronic questionnaires)</li> </ul>	The two evaluation (assessments) methods mentioned affected the level of the students by between 80-85 percent.	80-85 percent

The table evaluates the achievements of the Intended Learning Outcomes (ILOs) set out in the Course Specification.

Refer to the following points when filling the table:

- In the space of "Summary analysis of assessment" estimate the achievement as a percentage accompanied by a short comment.
- The table should be filled by course coordinator after discussion with course instructors "One table for the course, males and females"