



APPLY KNOWLEDGE OF STATISTICS AND PROBABILITY TO CRITICALLY INTERROGATE AND EFFECTIVELY COMMUNICATE FINDINGS ON LIFE RELATED PROBLEMS

UNIT STANDARD: 9015



Course Information



Qualification Title

Further Education and Training Certificate: New Venture Creation

Course Title

Apply Knowledge of Statistics and Probability to Critically Interrogate and Effectively Communicate Findings on Life Related Problems

Course Level

4

Course Credits

6

Course Duration

Three days

Cost of Course

R2 800,00 per delegate (excluding 15% VAT)

Course Overview

The essential purposes of the mathematical literacy requirement are that, as the learner progresses with confidence through the levels, the learner will grow in:

- A confident, insightful use of mathematics in the management of the needs of everyday living to become a self-managing person
- An understanding of mathematical applications that provides insight into the learner's present and future occupational experiences and so develop into a contributing worker
- The ability to voice a critical sensitivity to the role of mathematics in a democratic society and so become a participating citizen.

Further Education and Training Certificate: New Venture Creation

Who Should Attend?	Anyone willing to be equipped themselves with Knowledge and understanding of Construction sector, Physical Planning and Civil Engineering Construction Information Technology and Computer Sciences, or anyone in the mentioned field who want to develop their skills.
Course Objectives	Learners will able to: - critique and use techniques for collecting, organising and representing data. - use theoretical and experimental probability to develop models, make predictions and study problems. - critically interrogate and use probability and statistical models in problem solving and decision making in real-world situations.
Benefits	- Solve a variety of problems based on data, statistics and probability. - Gather, organise, evaluate and critically interpret data and statistics to make sense of situations. - Use everyday language and mathematical language to represent data, statistics and probability and effectively communicate or critique conclusions. - Use mathematics to critically analyse, describe and represent situations and to solve problems related to the life or work situations of the adult with increasing responsibilities.

Course Content

Course Modules	- Critique and use techniques for collecting, organising and representing data. - Situations or issues that can be dealt with through statistical methods are identified correctly. - Appropriate methods for collecting, recording and organising (data are used so as to maximise efficiency and ensure the resolution of a problem or issue - Use theoretical and experimental probability to develop models. - Experiments and simulations are chosen and/or designed appropriately in terms of the situation to be modelled. - The results of experiments and simulations are interpreted correctly in terms of the real context.
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	7. Critically interrogate and use probability and statistical models. 8. Statistics generated from the data are interpreted meaningfully and interpretations are justified or critiqued. 9. Tables, diagrams, charts and graphs are used or critiqued appropriately in the analysis and representation of data, statistics and probability values 10. Evaluations of the statistics identify potential sources of bias, errors in measurement, potential uses and misuses and their effects
Certification and Assessments	• All delegates who complete the summative assessment will be assessed, moderated and receive the SOR (Statement of Results) then the certificate of competence from WWISE or SETA if it's a qualification

About WWISE

Who are we?	World Wide Industrial & Systems Engineers (WWISE) is an ISO consultancy, training, business solutions and systems implementation firm based in Southern Africa that provides clients with effective business processes and Safety, Health, Environmental, Risk and Quality (SHERQ) management solutions in preparation for ISO compliance. The solutions we provide and implement allow our clients to compete favourably in modern competitive business environments, locally and internationally. We also strive to be the leading training providers in SHERQ, ISO, Engineering, Finance, Business and Project Management.
What do we do?	Our services are aimed at the improvement of quality, efficiency, knowledge and competitiveness of client companies. The service range includes: • ISO and SHERQ Systems implementation services whereby we assist client companies in meeting the requirements of ISO 9001, 14001, 22000, 31000, 27001, 20000-1, 50001 and ISO 45001 standards. • Integrated Management Systems development whereby we integrate several business systems and quality management solutions into a single management system to comply with various quality and safety standards.

- Training of all employees (Shop Floor to Executive Management) in the fields of SHERQ, Engineering, Finance, Business and Project Management to meet the job responsibilities and expertise requirements of International Standards.
- ISO and Legal auditing which includes gap analysis audits, product, process, procedural, and systems auditing by our registered SAATCA auditors.
- Customised web-based solutions integrating current systems to be in line with ISO requirements

We are a Level 1 BBBEE Contributor that specialises in systems development, consultancy, training and auditing.