MASTER OF SCIENCE IN MEDICINE (EXPOSURE SCIENCE)
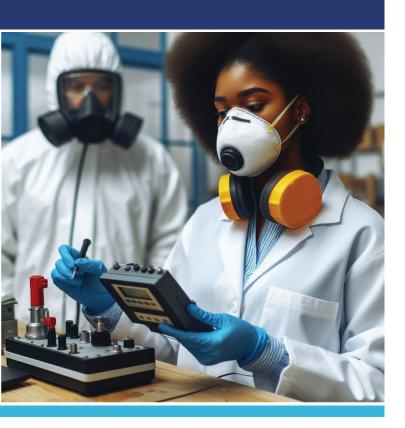
Short Courses 2024

MASTER OF SCIENCE IN MEDICINE (EXPOSURE SCIENCE) SHORT COURSES FOR 2024					
Course Name	Course Code	Certificate Type	Cost	Dates	Application Deadline
Exposure Assessment Methods II	SPUH0154	Attendance	R6 500	22 - 26 Apr 2024	8 Apr 2024
Exposure Assessment Methods II	SPUH0155	Competence	R7 500	22 - 26 Apr 2024	8 Apr 2024
Computational Exposure Assessment	SPUH0152	Attendance	TBD	19 - 23 Aug 2024	5 Aug 2024
Computational Exposure Assessment	SPUH0153	Competence	TBD	19 - 23 Aug 2024	5 Aug 2024

EXPOSURE ASSESSMENT METHODS II

The short course aims to acquaint participants with data analytics and data analysis skills, and also address data exploitation and processing. The course covers statistical methods for exposure data analysis, efficacy testing, and compliance testing.

THE COURSE COVERS THE FOLLOWING TOPICS:

- Integration of high-quality and low-quality data in measurements strategies
- Analysis of real-time data; time series and auto correlation
- Exposure variance (within-between worker)
- Introduction to Bayesian statistics and decision making support
- Compliance testing and tools

COMPUTATIONAL EXPOSURE ASSESSMENT

The short course aims to introduce participants to concepts and domains of exposure (and risk) modeling, to understand and explore their strengths and weaknesses. This knowledge is important in selecting and applying appropriate models and tools. The strengths and limitations of different exposure models, in general, will be explored with practical exercise, as well as their application in evaluating different exposure scenarios.

FOR ENQUIRIES:
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WITS School of Public Health

To apply, e-mail a letter of motivation and your current CV to Mr Oscah Molife, and specify if you are interested in the attendance or competence option.