

SACEMA invites applications for the short course on
Introduction to Epidemiology and Research Methodology

Stellenbosch University, starting 05 April 2022

Course presenter: Dr Jo Barnes - Division of Health Systems & Public Health, Faculty of Medicine and Health Sciences, Tygerberg

Course fee: R3 600.00

The course will be presented virtually, on the Microsoft Teams platform, and will take place over 13 sessions, on Tuesdays from 11h00 – 13h00.

Application closing date: 04 March 2022

[Click here](#) for more information

[Click here](#) to apply

Course Overview: Epidemiology is broadly defined as the study of the distribution and determinants of health-related states or events in specified populations and the application of this study to the prevention and control of health problems. Encompassing the methods and research designs needed to interpret evidence of health research, epidemiology is not only a discipline of the health sciences in itself, but also a much needed skill for practitioners in other branches of health research.

Epidemiology concentrates on questions like these: What are the determinants, distribution, and frequency of disease? Who gets ill and why? What are the crucial differences between those who become ill and those who do not? (Both sick and healthy people are to be studied.) How effective are interventions in treating disease, and in stopping further spread? How effective are health services in addressing health needs? What information do they need to make decisions? What is the risk assessment, and what is the threshold for action?

- Course Outline:**
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| 1. Introduction, basic tools | 8. Screening and surveillance |
| 2. Demographic aspects | 9. Bias in design |
| 3. Cross-sectional designs | 10. Causation |
| 4. Construction of questionnaires | 11. Disease clusters, outbreaks |
| 5. Case-control studies | 12. Hints of writing a research proposal |
| 6. Cohort designs, randomised controlled trials | 13. Hints on writing research papers and constructing conference presentations |
| 7. Sampling | |

Enquiries may be directed to the Training Coordinator: [Faikah Bruce](#)