



UNIVERSITY OF THE  
WITWATERSRAND  
JOHANNESBURG

## SCHOOL OF CHEMICAL & METALLURGICAL ENGINEERING

### Postgraduate and Short Courses for 2017

The School of Chemical and Metallurgical Engineering at the University of the Witwatersrand is pleased to announce its 2017 program of postgraduate and short course offerings to support industry skills development and personal development aspirations of attendees over a broad spectrum of specialised programmes. All the advertised postgraduate courses can also simultaneously be followed as a short course. Short courses can be followed on an attendance only basis, or, if the same assessments are done as those by registered postgraduate students, for obtaining a coveted Wits Certificate of Competence. All the postgraduate and short courses are on approved NQF level 9 and the School is in the process to get it accredited for CPD points by the relevant organisations early in 2017. Short course attendance cost R9 500 excluding VAT for 5 days, or a pro-rata portion for shorter periods. The School supports access to all these courses through a combination of recognition of prior learning and suitable postgraduate diplomas in engineering for all non-engineering qualified persons.

For more information, the relevant course coordinators can be contacted, or alternatively Ms Ntokozo Dube, Administration Manager and Postgraduate Coordinator of the School of Chemical and Metallurgical Engineering at Wits on tel: 011 717 7521, e-mail: [Ntokozo.dube@wits.ac.za](mailto:Ntokozo.dube@wits.ac.za), or the Head of School Prof. Herman Potgieter on tel: 011 717 7510 or e-mail: [herman.potgieter@wits.ac.za](mailto:herman.potgieter@wits.ac.za). Join us and let us assist you to make your dreams come true!

| School of Chemical and Metallurgical Engineering, University of the Witwatersrand |             |  |                   |  |
|---|-------------|--|-------------------|--|
| Pyrometallurgy Programme 2017   |             |  |                   |  |
| Course Presenter  | Course Code | Course Name  | Attendance Dates  | Contact E-mail   |
| Prof Serdar Kucukkaragoz/<br>Dr Elias Matinde                                     | CHMT7013    | Solid, liquid and gaseous state pyrometallurgical processes        | 03 – 07 April     | elias.matinde@wits.ac.za                                     |
| Prof Eriç Hürman  | CHMT7016    | Selected/ Special topics in pyrometallurgy                         | 29 May – 02 June  | rauf.hurman@wits.ac.za                                       |
| Dr Elias Matinde  | CHMT7060    | Coal and carbon in the metallurgical industry                      | 11 – 15 September | elias.matinde@wits.ac.za                                     |
| Prof Lesley Cornish   | CHMT7027    | Thermodynamics & Phase Equilibria of Materials                     | September         | lesley.cornish@wits.ac.za                                    |
| Minerals Processing and Extractive Metallurgy Programme 2017                      |             |  |                   |  |
| Prof Vusumuzi Sibanda   | CHMT7029    | Minerals Beneficiation   | 02 – 06 October   | vusumuzi.sibanda@wits.ac.za                                  |
| Dr Josias van der Merwe/<br>Prof Herman Potgieter                                 | CHMT7031    | Electrometallurgy  | June              | josias.vandermerwe@wits.ac.za<br>herman.potgieter@wits.ac.za |
| Prof Geoffrey Simate  | CHMT7032    | Separation Processes in Hydrometallurgy                            | 03 – 07 July      | geoffrey.simate@wits.ac.za                                   |
| Prof Tony Paterson  | CHMT7043    | Welding Processes & Equipment                                      | 03 – 07 April     | tony.paterson@wits.ac.za                                     |
| Welding and Fabrication Engineering Programme 2017                                |             |  |                   |  |
| Prof Tony Paterson  | CHMT7044    | Other Welding Processes  | 24 – 28 April     | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7045    | Advanced Welding Processes   | 13 – 17 March     | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7046    | Fabrication, applications engineering                              | 11 – 15 September | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7047    | Non-destructive testing methods & economics                        | 02 – 06 October   | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7049    | Welding Metallurgy of Steels                                       | 15 – 19 May       | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7050    | Weldability of alloy steels & stainless steels                     | 05 – 09 June      | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7051    | Weldability of ferrous & non-ferrous materials                     | 26 – 30 June      | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7052    | Case Studies for Welding Engineers                                 | 23 – 27 October   | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7053    | Practical Education – Welding Processes                            | 20 – 24 February  | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7073A   | Design and Construction of Welded Structures under Static Loading  | 17 – 21 July      | tony.paterson@wits.ac.za                                     |
| Prof Tony Paterson  | CHMT7074A   | Design and Construction of Welded Structures under Dynamic Loading | 14 – 18 August    | tony.paterson@wits.ac.za                                     |

| Coal Science and Technology Programme 2017       |             |  |                  |   |
|--|-------------|--|------------------|---|
| Course Presenter                                 | Course Code | Course Name  | Attendance Dates | Contact E-Mail  |
| Prof Herman Potgieter                            | CHMT7005    | Coal Sampling and Quality Assessment                   | 09 – 13 January  | herman.potgieter@wits.ac.za                               |
| Dr Shehzaad Kauchali                             | CHMT7006    | Coal Management and Marketing                          | 30 Oct – 04 Nov  | shehzaad.kauchali@wits.ac.za                              |
| Dr Samson Bada                                   | CHMT7057    | Coal Combustion and Power Generation                   | 03 – 08 April    | samson.bada@wits.ac.za                                    |
| Dr Murray Bwalya                                 | CHMT7058    | Coal Preparation and Beneficiation                     | July             | mulenga.bwalya@wits.ac.za                                 |
| Materials Science and Engineering Programme 2017 |             |  |                  |   |
| Ms Nthabiseng Maledi                             | CHMT7018    | Materials Characterisation                             | March            | nthabiseng.maledi@wits.ac.za                              |
| Dr David Whitefield                              | CHMT7022    | Failure Analysis of Engineering Materials              | June             | david.whitefield@wits.ac.za                               |
| Prof Tony Paterson/<br>Dr Josias van der Merwe   | CHMT7026    | Destructive and Non-Destructive Testing and Evaluation | October          | tony.paterson@wits.ac.za<br>josias.vandermerwe@wits.ac.za |
| Prof Lesley Cornish                              | CHMT7027    | Thermodynamics & Phase Equilibria of Materials         | September        | lesley.cornish@wits.ac.za                                 |