



South African National  
Committee on Large Dams



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## Three Day Short Course on Dam Design with the focus on Hydropower and Environmental aspects

**Wednesday 6 to Friday 8 June 2007**  
**Venue: CSIR Conference Centre, Pretoria**

ECSA Continuing Professional Development (CPD) accredited course\*  
**Preliminary Programme**

Start Time	Description	Organization	Presenter
<b>06-Jun-07 Wednesday</b>			
07:30	Registration		
08:00	Water Resources planning in SA	DWAF	S Mabuda
08:25	Hydropower and Power Planning for SA	Eskom	to be confirmed???
08:45	Large RCC dams for Hydropower Schemes	ARQ	Q Shaw
09:30	Braamhoek hydropower case study	Eskom	F Louwinger
10:45	Hydropower in Africa	NEPAD	R Mochebelele
11:30	In stream flow requirement determination and management	DWAF	H Pienaar
12:15	Socio-Economic aspects of dam design	TCTA	LvdMerwe
13:00	Lunch		
14:00	ICOLD news	Consultant	P Roberts
14:20	SANCOLD news	Knight Piesold	R Williamson
15:15	Construction of dams & supervision	Consultant	L Mills
<b>07-Jun-07 Thursday</b>			
07:30	Late Registration		
08:00	Foundations & Materials for dams	Africon	G Davis
08:45	Design of earth fill dams	DWAF	FHWM Druyts
09:40	Small hydro: Sol Plaatjie Dam	Ninham Shand	P Ballantine
10:45	Fishways & Flow gauging stations	DWAF	P Wessels/J Rossouw/A Bok
11:30	Civil engineering aspects of the proposed Steelpoort Pump storage scheme (to be confirmed)	BKS/Eskom	W van Wyk
12:15	Spillways, freeboard & energy dissipation	Univ Stellenbosch	GR Basson
13:00	Lunch		
14:00	Implications of the new EIA regulations for water resource infrastructure	DWAF	K Legge
15:15	Rehabilitation of state dams in South Africa	DWAF	H Muller
<b>08-Jun-07 Friday</b>			
07:30	Late Registration		
08:00	Dam Safety & Lessons learned	DWAF	H Anderson
08:45	Design of CFRD & status Mohale Dam, Lesotho	BKS	D Badenhorst
09:15	Review of the Ash River Management Plan for the mitigation of the Environmental Effects resulting from the discharge of a Hydropower Station	Vela VKE	C Viljoen
10:45	Real time management of dams for floods, irrigation & water quality	DWAF/Univ Stellenbosch	GRBasson/BMwaka
11:30	Dams within international watercourses	Consultant	P Roberts
12:15	Mitigation of some of the social impacts of large dams	BKS	B Pullen
13:00	Lunch		
14:00	Surveillance of dams	DWAF	C Oosthuizen
15:15	RCC case study: De Hoop Dam design	DWAF	JP van Zyl & HJ Wright
16:00	Closure		

Note: \* CPD commenced in January 2006 whereby all professional engineering persons are required to obtain 25 credits over a 5 year cycle, with a minimum of 3 credits per year, for renewal of registration with ECSA from 2007. This course is a Category 1 activity and offers 3.0 credits. A maximum of 4 credits may be accumulated under this category per year. For more details see [www.ecsa.co.za](http://www.ecsa.co.za)

