2 CPD Credits: ECSA
SAICEcon26/04312/29/ SAICEEL26/4313/29

1.6 CPD Credits SACPCMP
SACPCMP/CPD/24/167

CPD Validated

Getting Aquainted with Planning, Scheduling and Programming for Construction Projects

A two-day course to introduce and improve skills in construction project planning, scheduling and programming



Attend this course and learn about:

- Comprehending Planning
- Understanding the Work Breakdown Structure and the Critical Path
- Creating a Schedule (Programme)
- Prevention and Mitigation of Delays

Benefits include:

- Participation in an interactive workshop
- Learn from a recognised expert with cross industry experience
- Comprehensive course material
- CPD credits (ECSA)
- CPD credits - Category PPPI (SACPCMP)

Please note this course is not a Project Management course. This course focuses on how to plan, how to create a work breakdown structure and how to create a programme (Project Schedule). This programme is a major part of the project as it is used for tendering, controlling costs, determining delays and setting a completion date.

Presenter:

Theuns Eloff BIng(Civil)

COURSE DATES & VENUES

Scheduled courses are offered online and face-to-face around the country based on demand.

Please contact Lizélle du Preez for more information on upcoming courses: Lizelle@saicepdp.org / 011 476 4100

TIMES: 08:00 for 08:30 to 16:30

REGISTRATION

To register, visit www.candidateacademy.co.za
OR email Academy@saicepdp.org

WHO SHOULD ATTEND

The course helps graduates apply their theoretical training in practice. It is therefore recommended for:

- Project planners, project managers, site agents, engineers representatives, project leaders, PMU members, quantity surveyors, SCM members, contractors, consulting engineers, clients
- Candidate engineers, technologists and technicians
- Senior engineers in the civil construction industry in need of a refresher

SCE School of Consulting Engineering

saice GROWING FORWARD TOGETHER

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COURSE CONTENT

INTRODUCTION
- What is planning, scheduling and programming?
- Why is planning and programming important?
- When do I use it?
- Who should use it?
- Definitions and Terminology

CONTEXTUAL FRAMEWORK
- Role-players and Project Management
- Contracts: Types, Forms, Documents and Strategies
- Standards, Specifications, Legislation and Regulations

GENERAL CONCEPTS
- Scope of Work
- Project Definition
- Establishment and P&G's

PLANNING
- Drawings and Investigations
- Outline Plans and Strategies
- Work Breakdown Structure, Task List
- Activities and Planning Logic
- Obstructions, Unknowns, Risk Minimisation

PROGRAMMING
- Types of Programming (PERT, Gantt, etc.)
- Critical Path Method (CPM)
- Float, Lag, Lead, TRA, Finish to Finish etc.
- Baseline Programme
- Detailed Programming including Resource Levelling

CONSTRUCTION PHASE
- Keeping to the Milestones and Programme Revision
- Disruption and Acceleration Claims
- The S-Curve
- Change Management and Fast Tracking
- Cost Control
- Controlling and Ownership of the Float

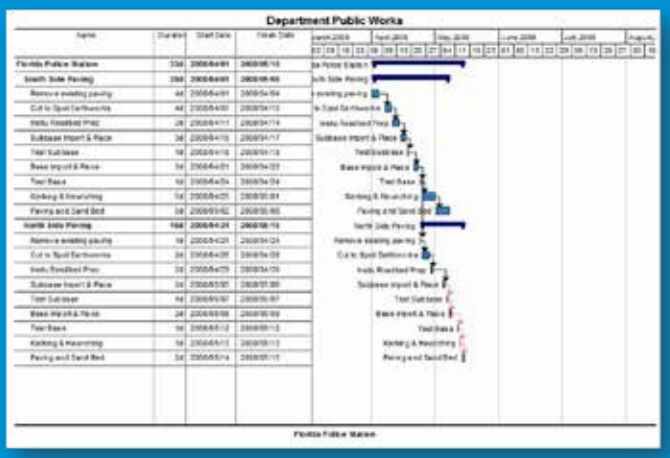
COMPLETION
- Practical Completion and Extention of Time
- Penalties
- Close out Report

ABOUT YOUR FACILITATOR

Theuns Eloff completed his BIng(Civil) degree at UJ (RAU) and started his engineering career as a civil contractor. He was involved in the construction, rehabilitation and resurfacing of roads and has extensive experience in major earthworks, construction of dams, open cast mines and contract management.

In-house courses can be arranged.
Contact Lizélle at lizelle@saicepdp.org for more information.

WHAT TO BRING TO THE COURSE
Calculator
Laptop with Excel recommended for online courses





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The Candidate Academy's philosophy is to support candidates on their road to registration with ECSA, by helping them through the transition from theoretical training to the 'how' of engineering projects and processes.The Academy offers practical, hands-on training relevant to experiences in the workplace.