

Welding supervisors are tasked with the responsibility of improving the productivity of welders. With the correct training, welding supervisors will provide adequate support for welders, ensuring high quality production at minimum cost.

**The International Welding Practitioner (IWP) course is ideal for welding personnel who wish to progress their career and improve their knowledge of welding technology and quality control.**

This course has both a theoretical and a practical component and covers:

- Welding processes and equipment
- Materials and their behaviour during welding, construction and design
- Fabrication applications engineering
- Practical Welding:  
Practical training is carried out on an individual basis with the main

processes being MMA, MIG/MAG, FCAW, TIG and Oxy-Fuel welding. Forty (40) hours are reserved to broaden the student's knowledge and skill in other relevant materials within this main process. An additional twenty (20) hours shall be reserved to give the student basic understanding of the possibilities of other processes

NOTE: The student may be exempted from practical training under certain circumstances.

On completion of the course, students will have an understanding of:

- The characteristics and main components of the most common arc welding power sources
- The fundamentals of common and special welding processes and their applications
- Consumables used in the different processes
- Joint designs and weld configurations for specific materials, thicknesses, accessibility, different loadings and allowable tolerances
- Basic metallurgy of steels, testing of materials and heat treatments
- Defects encountered with the various welding processes
- And more – see dedicated course brochure for additional details.

## Course Schedule

JOHANNESBURG		
	HOURS	JHB 1
Practical Welding	60	On Request
Welding Processes and Equipment	29	
Materials and their behaviour during welding	23	
Construction and Design	6	
Fabrication, Applications and Engineering	28	
Examination	2	

Please note that any comments, compliments or complaints related to:

1. Training can be forwarded to [quality@saiw.co.za](mailto:quality@saiw.co.za) 2. Examination and Certification can be forwarded to [quality@saiwcertification.co.za](mailto:quality@saiwcertification.co.za)