1. Schedule: PD Basic / digital planning

Day 1: Introduction to the Process Designer software

We look at a finished project: In the example robot welding machine we learn the basic functions of the Process Designer.
At the end of the day...

... you know how to start the software and how to load the plant.
... you will be able to navigate in the 3D graphic window and in the different trees.
... you know the planning elements (product, resources, operations and manufacturing features).
... you can position equipment such as robots and safety fences in space.
... you know how the data is stored and how you can lock and release your plant for other employees.
... you know the important basic functions of the software.

Day 2: New construction and planning of an own robot plant

We set up a new project and use different libraries with components, weld points and operating resources to create the robot plant.
At the end of the day...

... you know how to create a new project and the project structure.
... you can import data and store CAD data in libraries.
... you know how to assemble the component according to its joining sequence and how to assign weld points to the component.
... you can create a study for the planning.
... you have inserted equipment from the library into the study and positioned it in the 3D window.

Day 3: Expansion of the robot plant and cycle time statement

We extend the plant by adding a robot with a traversing axis. We plan the sequence of production steps in the plant in order to carry out a cycle time check in the Gantt diagram.
At the end of the day...

... you know how the robot is connected (attached) to the axis.
... you have set up the plant in 3D so that you can determine the space required.
... the plant is exported as a 3D image (JT) and viewed with JT2Go.
... you have distributed weld points to the robots and know which robot is welding where with which tool and which weld points.
... you have defined the work content of the robots and workers in the operation planning.
... you are able to create the operation planning with the Pert view.
... you can display the sequences of the individual operations in the Gantt diagram to check the cycle time.
... you know how exports are carried out and how table views are generated: Output of a weld point list in MS Excel format.